Satellite Antenna with integrated LNB SlimSat SA60

User Manual

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1.0 WHAT IS T SA60?

SlimSat SA60 is a Horn Array Type Satellite Antenna with Dual Linear Polarization,
it can receive signal from major Satellites and would replace a normal former 60cm Parabolic Dish.
Small, discreet and easy to use, it can be installed in a few minutes and used as a portable antenna for all satellite receptions.
SlimSat SA60 can be used for both free to Air and encrypted (requiring a subscription with an operator) channel reception; it can also receive all High Definition channels with a superior image quality.
For the use and installation, please read the following instructions and installation materials carefully.

2.0 SAFETY INSTRUCTIONS

- Before using this product please read this manual carefully and follow exactly all installation, mounting & orientation instructions.
- All the instructions should be followed in order to avoid any technical problems.
- Any electric or magnetic field close to the SlimSat SA60 may cause a bad reception or even cut off the signal completely.
- Do not drill the plastic cover of the antenna, which seals the antenna from moisture.
- Handle the antenna with care as any impact will cause damage to the electronics.
- Do not open the cover, any attempt to repair by a non-qualified person can be dangerous and void the warranty.
- Any obstacle (buildings, trees, etc....) will block the reception of the signal from the satellite to the antenna.
- Do not paint or add any substance on the antenna cover, this will block the reception of the signal from the satellite.
- The cable between the antenna and the Satellite receiver should not exceed 30m as it will decrease the quality of the signal.
- The use non- isolated jacks will result in a loss of the signal level.
- For an optimum signal reception please use the Attenuation Thin Pad for the first installation. (for more details, please refer to chapter **3.5**)
- Do not forget to adjust the antenna and the bracket to the cross-polarity (skew angle please refer to chapter **3.4** step 4).
- Tighten all the screws of the antenna once you have finished the adjustments.
- This product contains one universal LNB, it is forbidden to add, change or modify the LNB.
- For more precise details on the above points or for any information, please ask your retailer or customer service.

Warning!!!

Antennas improperly installed to an inadequate structure are very susceptible to wind damage. This Damage can be very serious or even life threatening. The owner and installer assumes full responsibility that the installation is structurally sound to support all loads (weight, wind & ice) and properly sealed against leaks. The manufacturer will not accept liability for any damage caused by a satellite system due to the many unknown variable applications.

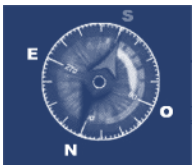
3.0 HOW TO INSTALL?

By following the instructions step by step you can proceed easily to install SlimSat SA60 by yourself or with the help of a professional antenna installer.
Before installing your antenna, you check that SlimSat SA60 box contains all the items listed above in the 'Box Content'. In the event of any missing parts, please contact your distributor.

3.1 Step 1: Where to Install?

In order to receive a signal from the Satellite, SlimSat SA60 is to be installed in an open loop space (outside the house or the apartment), in the direction of the satellite towards the equator, for which, you will need a compass to exactly orient SlimSat SA60 toward the satellite (Note; please take reference to the table of the Azimuth angles specified in the back pages of this manual)

Note: To ensure an accurate compass reading, stay away from large metal objects, specifically electrical cables and then make multiple readings

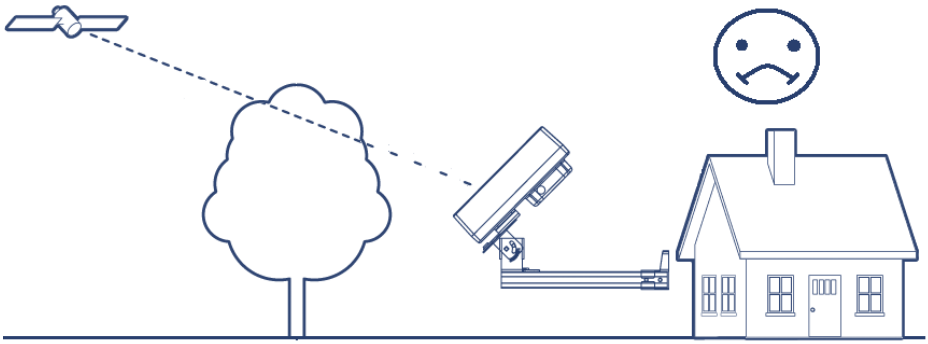


Make sure that there are no obstacles in front of SlimSat SA60 which can decrease the signal reception quality, such as buildings, or trees (you may keep in mind that trees will grow and may block the signal).

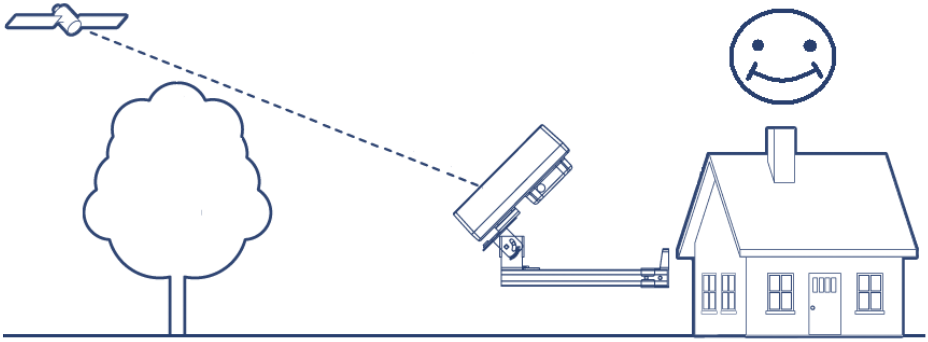
In order to be able to fix and install your antenna easily you might choose an easily accessible place without any potential danger for installation.

Think about the way you might pass your cable in a discreet way from the SlimSat SA60 to your Set top Box. The antenna should not be too distant from your satellite receiver; a cable longer than 30 meters can decrease the quality of the signal.

Bad Quality Signal Reception



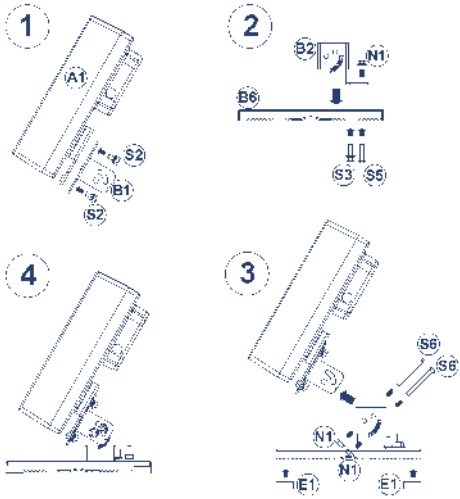
Good Quality Signal Reception



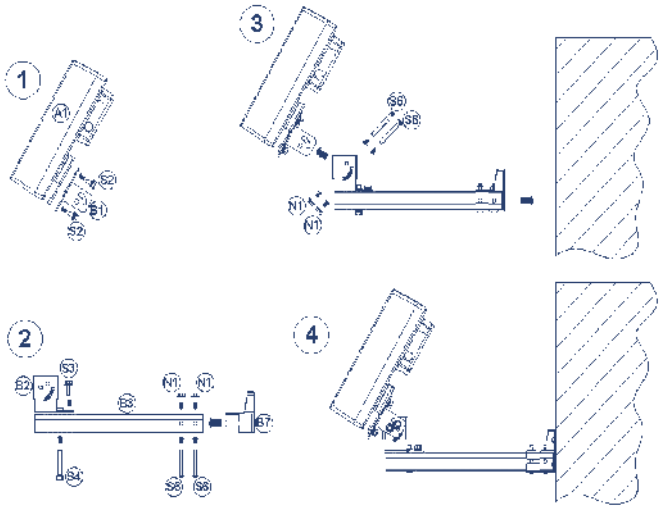
3.2 Step 2: Installation Choice

Depending on the choice of installation position for the SlimSat SA60, you can then decide on the mounting type, all parts are included

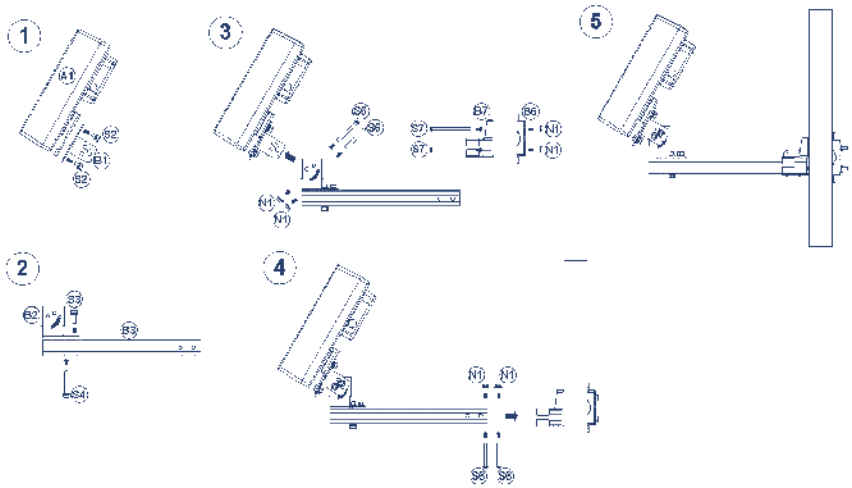
A) Table Stand type



B) Wall Mounting Type



C) Clamp on Balcony Type



3.3 Step 3: Connecting the Antenna and the Set top box

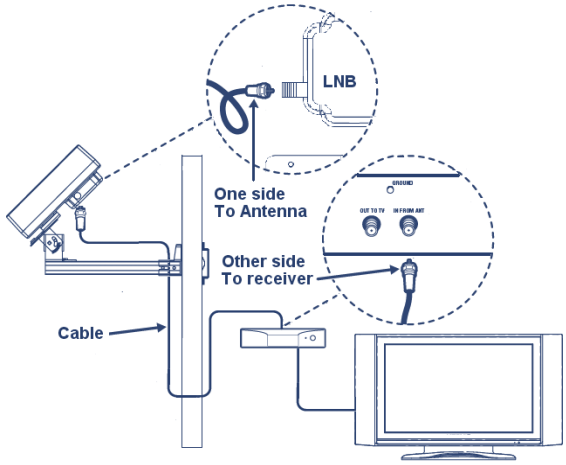
Once you have installed the antenna in an open loop space and mounted the way you want it to be the next step is to connect it all together.

In order to be able to watch your favourite satellite programs, you need to connect your satellite antenna to a receiver by a cable.

The cable between the antenna and the Satellite receiver should not exceed 30m as it will decrease the quality of the signal

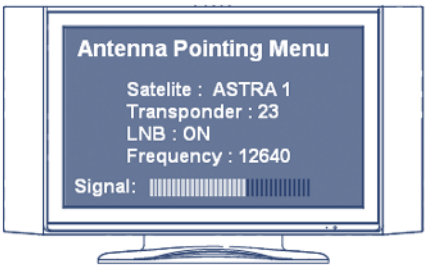
The use of a long or bad quality cable and not isolated jacks can cause a loss of the signal level, it would be preferable to use an RG6 Coaxial cable (HF 17VATC or 19VATC cable), in order to minimise a signal loss.

How to connect the cable to the antenna and the set top box?



It is important that the coaxial cable does not become damaged or kinked during the installation procedure.

3.4 Step 4: Pointing and locating the Signal (first without Attenuation Thin Pad)

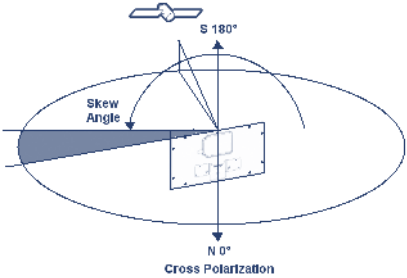


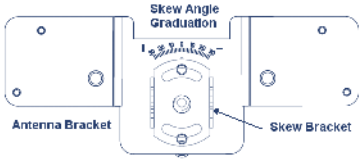
Once all installed and connected, you can start adjusting your antenna in order to receive a signal. For that, you will need to move your antenna in three different ways in order to receive the maximum signal level & best reception quality. Whatever your choice of mount type, you will be able to adjust your antenna easily by following these instructions.

Note: To adjust the antenna with precision and to allow a good reception (even in bad weather), professional installers use a "signal meter". This indicates the level of signal strength received. Only the use of this measuring device guarantees an optimum adjustment.

A- Cross Polarisation (Skew Angle):

Obtain the Skew Angle of the chosen satellite, from the lists in this manual which cover many European countries & big cities). Tilt your antenna to the specified degree by looking to the degree graduation located on the back of the antenna bracket. Once achieved, tighten both screws connecting the Skew Bracket (B1) to the Antenna Body (A1).

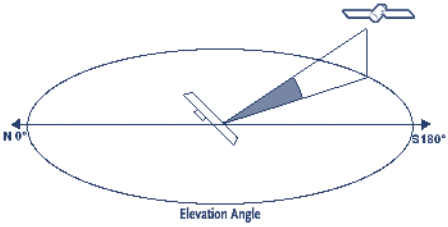


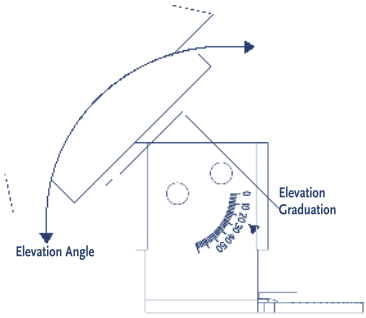


B- Elevation Angle:

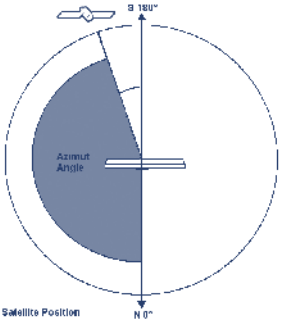
Then obtain the Elevation angle according to the area location of the chosen satellite on the lists in this manual. Then move your antenna up or down according to the angle, (you may use the graduated surface of the bracket in order to make sure that you are on the right position. Once achieved, tighten your elevation nuts on the Angle Bracket (B2), this is a preliminary adjustment which you may have to fine tune later by using the pointing menu on the TV.

You may do a fine tuning for the elevation angle by following the peak signal level on your screen later on once all three points have been followed.



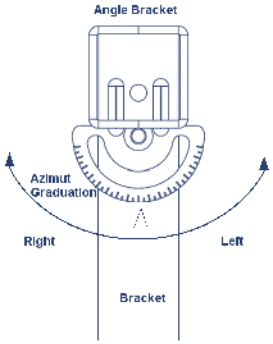


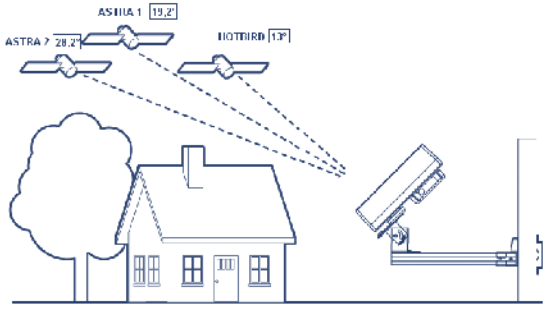
C- Azimuth:



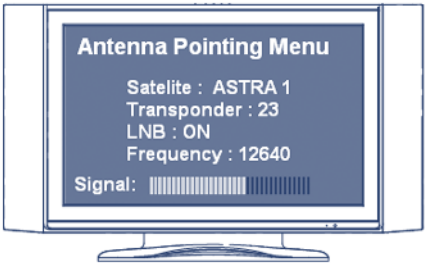
Finally obtain the area's azimuth angle of the chosen satellite, on the lists in this manual, Point the antenna in a generally southerly direction, then, by using the compass rotate to the right or the left towards south on your compass (180°).
All of the European satellites are located to the south, there will be a minor difference in the azimuth angle from one satellite to another.

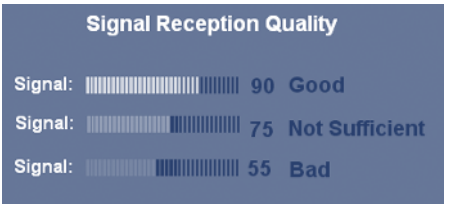
Once you have selected the chosen satellite on your receiver follow the signal strength on the screen by fine tuning the azimuth and rotating the antenna very slowly "to the right" or "to the left" in order to receive the highest signal level from the satellite.
You should be able to find the satellite signal first and then the signal peak, indicated on your screen. Once you sweep through the peak-signal point on the screen, mark the position with a pencil and screw in your angle bracket to fix the antenna in this position.





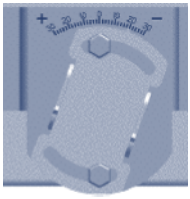
The signal level and quality is indicated on the TV screen and will fluctuate and change colour according to the adjustment & movement of the antenna while you are pointing & finding (azimuth, elevation and Skew angle). The level indicates the power of the signal and the colour is the signal reception quality from the chosen satellite.



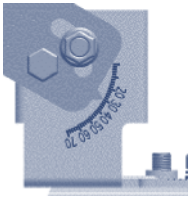


Once fine tuning is complete, and the signal is at its peak level with a good quality, you can stop adjusting the antenna.

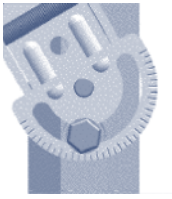
In order to watch Canal+ through ASTRA1 (19.2 East) from the city 'Brest' of France, you will see Skew angle at -19.7, Elevation angle at 30, and Azimuth angle at 149.6 (in reference to the angle table on the back page of this manual)



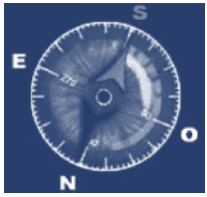
< SKEW >



< Elevation >



< Azimuth >



3.5 Optimum Pointing & Finding the Signal (with Attenuation Thin Pad)

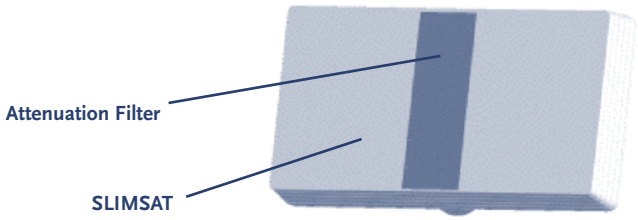
Use of Attenuation Thin Pad simulates bad weather conditions causing a signal loss and aids antenna positioning to receive an optimum signal in all weather conditions.

Optimum pointing and finding to gain the best signal is only possible after passing through chapter **3.4** Step 4.

Please affix Attenuation Thin Pad back onto the face of antenna cover and you may start repeating to make adjustment of Skew angle, Azimuth, and Elevation as done the same in chapter 3.4 Step 4, again to achieve the maximum and optimum signal level.

Once completed, remove the Attenuation Thin Pad (keep pad in a safe place to use in future for portable use) ensure that all the screws are well tightened to avoid the antenna moving position.

Note: During heavy cloud coverage or rainfall, the reception of signal level tends to weaken and in some cases the signal level will not be possible by the use of Attenuation Thin Pad. So during bad weather, you are recommended to skip step 6 for a use of Attenuation Thin Pad



Keep this Filter for the First installation and Pointing

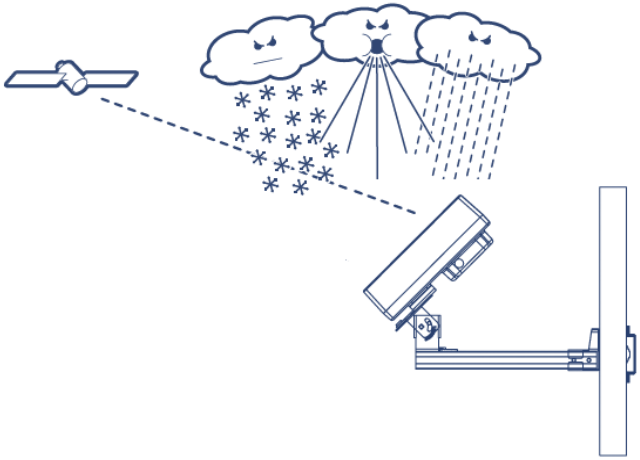
4.0 TROUBLESHOOTING CHECK LIST FOR INITIAL INSTALLATION

If the signal is not found, be sure the receiver user manual and the antenna user manual have been followed closely, check the following:

- Make sure all cable connections are correct and each connection is seated / tightened properly.
- Inspect the inside of each cable connector for dirt or possible connector to case / shield short.
- Verify the Azimuth, Elevation and Tilt angles for your location by ZIP code.
- Make sure the Tilt and Elevation pointers are aligned correctly to the scales. Do not use washer or bolt as reference.
- Make sure the Tilt adjustment is not changed from the recommended settings for the antenna location.
- Remove existing TV-specific components, such as TV splitter, etc; reduce the installation to the basic connections called out in this guide. Such components may not work with the satellite signal and they may be in the wall where you can't see them. When in doubt, run RG6 cable directly to you receiver.
- Make sure there are no obstructions (trees, buildings, windows, corner or overhang of you roof, your body or hands) – the signal does not pass leaves, branches, glass, etc.
- RG6 cable with solid copper center conductor is highly recommended because it has much lower DC voltage drop compared to RG 6 cable with a copper-coated, steel center conductor.
- Standard RG 59 cable cases too much DC drop and signal drop; it can not be used to pass the satellite signal. RG 6 coaxial cable must be used.
- Some after market, off-the-shelf add-on components may not be as advertised. They might not work or could cause additional DC drops and signal amplitude attenuation. Remove such components, go back to the basic connections called out in this manual and re-verify.
- Make sure the satellite cable is connected to the "SAT IN" jack, not the "ANTENNA IN" jack. The "ANTENNA IN " jack at the back of the receiver is for all off-air antenna input or cable TV input.
- If all are done correctly but the signal is still not found change the Elevation adjustment of the antenna slightly (± 2°, then ± 4° from the called-for setting) and repeat the procedure.
- Make sure the Access Card from your receiver is fully inserted into the Access Card slot and oriented correctly.

5.0 LOSS OF SIGNAL / RAIN FADE

- The satellite signal may lost temporarily due to unusually heavy rainfall. An optimally alighted antenna, along with the shortest possible cable run, minimizes the chances of "rain fade".
- Make sure the antenna is mounted securely to prevent it from being blown out of alignment in a heavy wind.
- Heavy snow accumulation on the antenna may reduce the satellite signal strength; snow should be swept away as soon as possible.
- Tree foliage growth into antenna's line-of-sight to the satellite may result in gradual loss of picture.



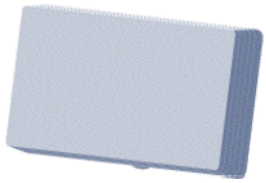
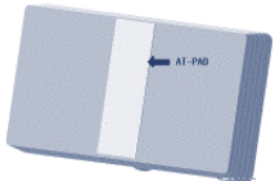
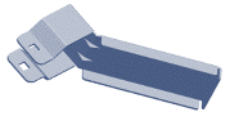
6.0 INSTALLATION USING LONG CABLE

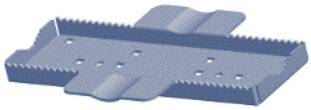
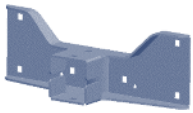
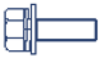
- For installations where the RG 6 cables run from the receiver(s) to the LNB far exceeds 100 feet (150 feet or more), as encountered in a commercial or multi-dwelling building, you need to use an AC power booster module to bias the LNB.
- You will also need an additional RF signal amplifier to compensate the signal amplitude loss. Otherwise, your antenna and receiver may not work properly and be subject to frequent outages in adverse weather. Contact a professional concerning such intallations.

7.0 TECHNICAL SPECIFICATION

Input Satellite Frequency:	10.7 ~ 12.75 GHz			
Polarisation:	Dual Linear (Horizontal & Vertical)			
Antenna Gain:	33 dBi at 12.7 GHz			
Dimensions (W x H x D):	475 x 259 x 74 mm			
LNB:	Single LNB integrated			
LNB Output Frequency:	950 – 1,950 / 1,100-2,150 MHz			
LNB voltage:	Vertical	11.5 ~ 14.0 /	Horizontal	16.0 ~ 19.0
Operating Temperature:	-30 ~ +60 °C			
Gross weight:	5.3 kg			
Net weight:	3.34 kg			
LNB voltage				
Vertical	11.5 ~ 14.0			
Horizontal	16.0 ~ 19.0			

A.1 BOX CONTENT

No	Symbol	Part name	Image	Quantity
1	A1	Antenna Body		1
2	P1	Attenuation PAD		1
3	B1	Skew Bracket		1
4	B2	Angle Bracket		1
5	B3	Main Support		1
6	B4	Window Bracket A		1
7	B5	Window Bracket B		1

8	B6	Fix Bracket A		1
9	B7	Fix Bracket B		1
10	B8	Spanner		1
11	C1	Compass		1
12	S1	Screw M4x10 SEMS2		1
13	S2	Hex Bolt M6x12 SEMS2		1
14	S3	Hex Bolt M6x20 SEMS2		1
15	S4	Hex Bolt M6x45 SEMS2		1
16	S5	Round Head Square Neck Bolt M6x30		1
17	S6	Round Head Square Neck Bolt M6x50		4
18	S7	Round Head Square Neck Bolt M6x75		4
19	N1	Flanged Nut M6		8
20	E1	Rubber		4

A.2 APPENDIX 1

Great Britain

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation Sk : Skew

		Turk sat 1C,2A	Astra 2A/2B/2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlant Ic bird 3	Hispa sat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W
Aberdeen wL 2.1 B + 57.1	Az	130.9	145.2	155.1	162.2	183.5	212.2
	El	14.6	19.8	22.4	23.7	25.0	20.6
	Sk	-24.2	-18.1	-13.2	-9.6	1.9	16.8
Belfast wL 5.9 B + 54.6	Az	126.3	140.2	150.1	157.2	178.9	208.7
	El	14.4	20.5	23.7	25.4	27.7	24.0
	Sk	-27.8	-21.7	-16.8	-13.0	-0.6	16.2
Birmingham wL 1.8 B + 52.5	Az	129.6	143.9	154.1	161.5	184.0	214.0
	El	17.8	23.9	26.9	28.4	29.9	24.6
	Sk	-28.0	-21.0	-15.4	-11.1	2.5	19.9
Bradford wL 1.8 B + 53.8	Az	130.1	144.5	154.5	161.9	184.0	213.7
	El	16.9	22.8	25.7	27.1	28.5	23.4
	Sk	-26.9	-20.1	-14.7	-10.8	2.3	19.1
Bristol wL 2.6 B + 51.5	Az	128.4	142.7	152.9	160.4	183.1	213.6
	El	18.1	24.5	27.7	29.3	31.1	25.8
	Sk	-29.2	-22.2	-16.5	-12.1	1.9	20.1
Cardiff wl 3.16 B + 51.48	Az	127.9	142.1	152.3	159.7	182.4	212.9
	El	17.8	24.3	27.5	29.2	31.1	25.9
	Sk	-29.4	-22.5	-16.9	-12.5	1.5	19.8
Chichester wL:0.778 B:+50.83	Az	130.0	144.5	154.9	162.4	185.4	215.8
	El	19.4	25.8	28.9	30.4	31.5	25.6
	Sk	-29.0	-21.5	-15.6	-11.0	3.4	21.7
Coventry wL:1.5 B:+52 42	Az	129.9	144.3	154.5	161.9	184.4	214.4
	El	18.0	24.1	27.0	28.6	30.0	24.5
	Sk	-27.9	-20.9	-15.2	-10.9	2.7	20.2
Dover eL 1.3 B + 51.1	Az	132.1	146.9	157.5	165.1	188.1	218.0
	El	20.3	26.3	29.1	30.5	31.2	24.6
	Sk	-27.8	-20.1	-13.9	-9.3	5.1	22.7
Edinburgh wL 3.2 B + 56.0	Az	129.4	143.6	153.6	160.7	182.2	211.4
	El	14.8	20.4	23.2	24.6	26.2	21.9
	Sk	-25.6	-19.4	-14.4	-10.7	1.2	16.9
Glasgow wL 4.2 B + 55.9	Az	128.4	142.5	152.4	159.5	180.9	210.2
	El	14.4	20.1	23.0	24.5	26.4	22.3
	Sk	-26.0	-19.9	-15.1	-11.3	0.5	16.4
Greenwich eL:0 B:+51.48	Az	131.0	145.6	155.0	162.0	186.4	216.4
	El	19.4	25.5	28.4	29.4	30.9	24.7
	Sk	-28.0	-20.6	-14.7	-14.7	4.0	21.7
Swansea wL 4.0 B + 51.6	Az	127.1	141.2	151.3	158.7	181.3	211.9
	El	17.3	23.8	27.1	28.8	31.0	26.1
	Sk	-29.7	-22.9	-17.3	-13.1	0.8	19.2
Wolverhampton wL 2.2 B + 52.6	Az	129.2	143.6	153.7	161.1	183.5	213.6
	El	17.5	23.6	26.7	28.2	29.8	24.6
	Sk	-28.1	-21.2	-15.6	-11.3	2.1	19.6
York wL:1.08 B:+53.95	Az	130.9	145.3	155.4	162.6	184.8	214.4
	El	17.2	22.9	25.7	27.1	28.3	23.0
	Sk	-26.4	-19.6	-14.2	-10.0	2.9	19.4
Inverness wL 4.2 B + 57.5	Az	129.0	143.0	152.8	159.8	180.9	209.8
	El	13.4	18.8	21.5	22.9	24.6	20.8
	Sk	-24.7	-18.9	-14.2	-10.7	0.5	15.5
Kingston upon hul wL:0.33 B:+53.75	Az	131.5	146.0	156.3	163.6	185.8	215.2
	El	17.6	23.4	26.1	27.4	28.5	22.9
	Sk	-26.3	-19.3	-13.8	-9.5	3.4	20.0
Leeds wL 1.6 B I 53.8	Az	130.3	144.7	154.8	162.1	184.2	213.8
	El	17.0	22.8	25.7	27.1	28.5	23.3
	Sk	-26.8	-20.0	-14.6	-10.5	2.5	19.2
Liverpool wL 2.9 B + 53.4	Az	128.8	143.1	153.2	160.4	182.6	212.5
	El	16.6	22.7	25.7	27.3	29.0	24.1
	Sk	-27.7	-21.0	-15.6	-11.5	1.6	18.7
Leicester wL:1.08 B:+52.63	Az	130.4	144.8	155.1	162.5	184.9	214.8
	El	18.1	24.1	27.0	28.4	29.7	24.2
	Sk	-27.6	-20.5	-14.8	-10.5	3.0	20.3
London wl 0.2 B + 51.5	Az	130.8	145.4	155.8	163.4	186.2	216.2
	El	19.3	25.4	28.3	29.8	30.9	24.8
	Sk	-28.1	-20.7	-14.8	-10.3	3.8	21.6
Manchester wL 2.3 B + 53.5	Az	129.5	143.8	154.0	161.3	183.4	213.2
	El	16.9	22.9	25.8	27.3	28.9	23.8
	Sk	-27.3	-20.6	-15.2	-11.1	2.0	19.0
Newcastle upon tyne wL 1.6 B + 55.0	Az	130.7	145.0	155.1	162.4	184.1	213.4
	El	16.2	21.8	24.5	25.9	27.2	22.3
	Sk	-25.8	-19.2	-14.0	-10.0	2.4	18.4
Norwich eL 1.3 B + 52.6	Az	132.7	147.4	157.9	165.4	187.9	217.4
	El	19.2	24.9	27.6	28.9	29.6	23.3
	Sk	-26.5	-19.1	-13.2	-8.8	4.8	21.7
Nottingham wL 1.3 B + 52.9	Az	130.2	144.6	154.9	162.3	184.6	214.5
	El	17.8	23.7	26.6	28.1	29.5	24.0
	Sk	-27.4	-20.4	-14.8	-10.6	2.8	20.0
Plymouth wL 4.2; B + 50.4	Az	126.5	140.5	150.7	158.1	181.0	212.1
	El	17.9	24.7	28.2	30.0	32.3	27.3
	Sk	-30.8	-23.9	-18.2	-13.8	0.7	19.8
Portsmouth wL 1.1 B + 50.8	Az	129.6	144.1	154.5	162.0	185.0	215.5
	El	19.3	25.6	28.7	30.3	31.7	25.8
	Sk	-29.1	-21.8	-15.8	-11.2	3.2	21.5
Sheffield wL 1.5 B + 53.4	Az	130.2	144.6	154.8	162.1	184.4	214.1
	El	17.3	23.2	26.1	27.6	28.9	23.7
	Sk	-27.1	-20.2	-14.7	-10.5	2.6	19.5
Southampton wL:1.38 B:+50.9	Az	129.4	143.8	154.2	161.7	184.7	215.1
	El	19.1	25.5	28.6	30.1	31.6	25.8
	Sk	-29.2	-21.9	-15.9	-11.4	2.9	21.3

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

Germany

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation Sk : Skew

		Turk sat 1C,2A	Astra 2A/2B /2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/5/7A /8	Atlant Icbird 3	Hispa sat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	6.0 W	30.0 W
Aachen eL 6.1 B + 50.8	Az	136.9	152.3	163.3	171.1	194.2	223.2
	El	22.8	28.2	30.5	31.5	30.9	22.7
	Sk	-25.6	-17.1	-10.5	-5.6	8.9	25.7
Aalen eL 10.1 B + 48.8	Az	140.4	156.5	168.0	176.2	199.7	228.2
	El	26.2	31.3	33.3	33.9	32.1	22.2
	Sk	-24.8	-15.2	-7.9	-2.5	12.9	29.4
Aschaffenburg eL 9.2 B + 50.0	Az	139.9	155.7	167.0	175.0	198.2	226.8
	El	24.8	29.9	31.9	32.6	31.2	21.9
	Sk	-24.4	-15.3	-8.9	-3.2	11.7	27.9
Augsburg eL 10.9 B + 48.4	Az	141.1	157.4	169.0	177.2	200.9	229.2
	El	26.9	32.0	33.9	34.4	32.4	22.1
	Sk	-24.6	-14.8	-7.3	-1.9	13.7	30.2
Bad Hersfeld eL 9.7 B + 50.9	Az	140.8	156.7	167.8	175.8	198.7	227.0
	El	24.3	29.2	31.1	31.7	30.1	20.9
	Sk	-23.5	-14.5	-7.6	-2.7	11.7	27.4
Bad Homburg eL 8.6 B + 50.2	Az	139.4	155.2	166.3	174.3	197.5	226.1
	El	24.4	29.5	31.6	32.3	31.0	21.9
	Sk	-24.6	-15.6	-8.7	-3.7	11.1	27.5
Bad Neuenahr eL 7.1 B + 50.6	Az	137.9	153.5	164.5	172.4	195.5	224.4
	El	23.5	28.8	31.0	31.8	31.0	22.4
	Sk	-25.2	-16.5	-9.8	-4.8	9.8	26.4
Baden-Baden eL 8.2 B + 48.8	Az	138.4	154.2	165.6	173.7	197.4	226.3
	El	25.4	30.8	33.1	33.9	32.6	23.2
	Sk	-26.0	-16.7	-9.5	-4.2	11.3	28.1
Bamberg eL 10.9 B + 49.9	Az	141.7	157.8	169.2	177.2	200.4	228.5
	El	25.6	30.5	32.3	32.8	30.8	21.0
	Sk	-23.5	-14.1	-6.9	-1.8	13.0	29.9
Bergen eL 13.4 B + 54.4	Az	146.2	162.0	172.9	180.5	202.3	229.3
	El	22.7	26.5	27.7	27.9	25.7	16.7
	Sk	-18.9	-10.4	-4.1	0.3	12.7	26.2
Berlin eL 13.4 B + 52.5	Az	145.5	161.6	172.7	180.5	202.8	230.0
	El	24.4	28.4	29.7	30.0	27.6	18.0
	Sk	-20.2	-11.1	-4.4	0.3	13.6	27.8
Bingen eL 9.3 B + 48.1	Az	139.2	155.3	166.8	175.0	198.9	227.7
	El	26.4	31.8	33.9	34.6	33.0	23.1
	Sk	-25.9	-16.2	-8.8	-3.3	12.5	29.6
Bonn eL 7.1 B + 50.7	Az	138.0	153.5	164.5	172.4	195.5	224.3
	El	23.3	28.6	30.8	31.6	30.8	22.3
	Sk	-25.1	-16.4	-9.7	-4.8	9.7	26.3
Bremen eL 8.8 B + 53.1	Az	140.7	156.2	167.1	174.8	197.1	225.2
	El	22.1	26.8	28.6	29.2	28.0	19.7
	Sk	-22.4	-14.0	-7.7	-3.2	10.2	25.2
Chemnitz eL 12.9 B + 50.8	Az	144.3	160.6	171.9	179.9	202.6	230.2
	El	25.7	30.0	31.5	31.8	29.4	19.4
	Sk	-21.6	-12.2	-5.1	-0.1	14.1	29.0
Deggendorf eL 13.0 B + 48.8	Az	143.6	160.1	171.7	180.0	203.3	231.1
	El	27.4	32.1	33.7	34.0	31.4	20.7
	Sk	-23.0	-12.9	-5.4	0.0	15.1	30.8
Dortmund eL 7.5 B + 51.5	Az	138.7	154.2	165.1	172.9	195.8	224.4
	El	22.8	27.9	30.0	30.8	29.9	21.5
	Sk	-24.3	-15.7	-9.2	-4.4	9.8	25.8
Düsseldorf eL 6.8 B + 51.2	Az	137.8	153.3	164.2	172.0	195.0	223.8
	El	22.8	28.0	30.2	31.1	30.3	22.1
	Sk	-24.9	-16.4	-9.8	-5.0	9.3	25.7
Frankfurt am Main eL 8.7 B + 50.1	Az	139.4	155.2	166.4	174.4	197.6	226.2
	El	24.5	29.6	31.7	32.4	31.1	22.0
	Sk	-24.7	-15.6	-8.7	-3.6	11.2	27.6
Freising eL 11.8 B + 48.4	Az	142.1	158.5	170.1	178.3	201.9	230.0
	El	27.3	32.2	34.0	34.4	32.1	21.6
	Sk	-24.1	-14.1	-6.5	-1.1	14.4	30.6
Göttingen eL 9.9 B + 51.5	Az	141.3	157.1	168.2	176.1	198.8	226.9
	El	23.9	28.6	30.4	31.0	29.4	20.4
	Sk	-22.9	-14.0	-7.3	-2.5	11.6	27.0
Hamburg eL 10.0 B + 53.6	Az	142.2	157.8	168.7	176.3	198.5	226.2
	El	22.2	26.6	28.3	28.8	27.3	18.8
	Sk	-21.3	-13.0	-6.7	-2.2	10.8	25.4
Heide eL 9.1 B + 54.2	Az	141.4	156.9	167.3	175.2	197.2	225.1
	El	21.3	25.7	27.5	28.0	26.8	18.8
	Sk	-21.4	-13.3	-7.2	-2.8	10.0	24.5
Heidelberg eL 8.7 B + 49.4	Az	139.1	155.0	166.3	174.3	197.8	226.5
	El	25.1	30.3	32.5	33.2	31.9	22.5
	Sk	-25.2	-16.0	-8.9	-3.7	11.5	28.2
Ho' eL 11.9 B + 50.3	Az	143.0	159.2	170.5	178.6	201.6	229.4
	El	25.7	30.3	31.9	32.3	30.2	20.2
	Sk	-22.6	-13.1	-6.0	-0.9	13.6	29.0
Köln eL 7.0 B + 51.0	Az	137.9	153.4	164.4	172.2	195.2	224.1
	El	23.1	28.3	30.5	31.4	30.6	22.2
	Sk	-24.9	-16.3	-9.7	-4.8	9.6	26.0
Lübeck eL 10.7 B + 53.9	Az	143.0	158.7	169.5	177.1	199.2	226.8
	El	22.2	25.4	26.0	26.5	26.8	18.3
	Sk	-20.8	-12.4	-6.2	-1.7	11.2	25.4
München eL 11.6 B + 48.1	Az	141.7	158.1	169.8	178.1	201.8	230.0
	El	27.4	32.4	34.2	34.7	32.4	21.9
	Sk	-24.4	-14.4	-6.8	-1.3	14.4	30.8
Münster eL 8.9 B + 49.9	Az	139.5	155.4	166.6	174.6	197.9	226.5
	El	24.7	29.9	31.9	32.6	31.3	22.0
	Sk	-24.7	-15.6	-8.6	-3.5	11.4	27.9
Nienburg eL 11.8 B + 51.8	Az	143.5	159.4	170.5	178.4	201.0	228.6
	El	24.4	28.7	30.3	30.7	28.7	19.2
	Sk	-21.6	-12.5	-5.8	-0.9	12.8	27.7
Offenburg eL 8.0 B + 48.5	Az	137.9	153.8	165.1	173.3	197.1	226.2
	El	25.5	31.0	33.3	34.2	33.0	23.6
	Sk	-26.3	-17.0	-9.8	-4.4	11.3	28.6
Passau eL 13.5 B + 48.6	Az	144.1	160.7	172.4	180.6	204.0	231.7
	El	27.9	32.5	34.0	34.3	31.5	20.6
	Sk	-22.8	-12.6	-5.0	0.4	15.6	31.3
REastock eL 12.1 B + 54.1	Az	144.7	160.4	171.3	178.9	200.8	228.2
	El	22.6	25.5	27.9	28.3	26.3	17.5
	Sk	-19.8	-11.4	-5.1	-0.7	12.0	25.9
Traunstein eL 12.7 B + 47.9	Az	142.8	159.4	171.2	179.5	203.2	231.2
	El	28.1	33.0	34.7	35.0	32.4	21.5
	Sk	-23.9	-13.6	-5.8	-0.3	15.4	31.5
Ulm eL 10.0 B + 48.4	Az	140.1	156.2	167.8	176.0	199.7	228.3
	El	26.5	31.7	33.7	34.4	32.6	22.6
	Sk	-25.2	-15.5	-8.1	-2.7	12.9	29.7
Wesel eL 6.6 B + 51.7	Az	137.8	153.2	164.1	171.9	194.7	223.5
	El	22.3	27.5	29.7	30.6	29.9	21.8
	Sk	-24.6	-16.2	-9.8	-5.0	9.0	25.2

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

France

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation Sk : Skew

		Turk sat 1C,2A	Astra 2A/2B/ 2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlant icbird 3	Hispa sat 1C,1D			Turk sat 1C,2A	Astra 2A/2B/ 2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlant icbird 3	Hispa sat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W			42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W
Amiens	Az	132.6	147.8	158.3	166.1	189.5	219.5	Mulhouse	Az	136.9	152.7	164.1	172.4	195.5	225.9
eL 2.3	El	21.6	27.7	30.6	31.9	32.4	25.1	eL 7.3	El	25.8	31.6	34.1	35.0	33.9	24.5
B + 49.9	Sk	-28.3	-20.2	-13.8	-8.9	6.1	24.2	B + 47.7	Sk	-27.4	-18.0	-10.6	-5.1	11.0	28.9
Angers	Az	128.7	143.3	154.0	161.9	186.0	217.4	Nancy	Az	136.2	151.7	162.9	171.0	194.8	224.3
wl 0.6	El	21.8	28.7	32.2	33.8	35.3	28.4	el 6.2; B +	El	24.5	30.2	32.8	33.7	33.1	24.3
B + 47.5	Sk	-31.8	-23.8	-17.2	-12.1	4.0	24.2	48.7	Sk	-27.2	-18.2	-11.2	-5.9	9.7	27.4
Angoulême	Az	128.6	143.3	154.3	162.3	187.2	219.1	Nantes	Az	127.6	142.1	152.7	160.5	184.6	216.4
eL 0.2	El	23.4	30.6	34.2	35.9	37.2	29.6	wL 1.6	El	21.4	28.5	32.1	33.9	35.6	29.1
B I 45.7	Sk	-33.1	-24.7	-17.7	-12.3	5.1	26.2	B I 47.2	Sk	-32.5	-24.7	-18.2	-13.1	3.1	23.8
Arras	Az	133.3	148.3	159.0	166.8	190.1	219.9	Nizza	Az	135.0	151.0	163.0	171.7	197.5	227.8
eL 2.8	El	21.6	27.6	30.4	31.6	31.9	24.6	eL 7.3	El	28.9	35.4	38.3	39.3	38.1	27.4
B + 50.3	Sk	-27.7	-19.6	-13.2	-8.4	6.4	24.2	B + 43.7	Sk	-30.8	-20.5	-12.2	-6.0	12.6	32.4
Bayonne	Az	128.8	143.7	155.1	163.5	189.4	221.8	Orleans	Az	131.4	146.3	157.2	165.1	189.2	220.0
eL 1.5	El	25.8	33.3	37.0	38.7	39.6	30.9	eL 1.9	El	22.8	29.4	32.5	33.9	34.6	27.0
B + 43.3	Sk	-34.6	-25.5	-17.9	-12.0	6.9	29.0	B + 47.9	Sk	-30.2	-21.8	-15.1	-9.9	6.2	25.5
Belfort	Az	130.4	152.1	163.5	171.7	195.8	225.4	Paris	Az	132.2	147.2	158.1	166.0	189.7	220.0
eL 6.8	El	25.6	31.5	34.0	35.0	34.1	24.8	eL 2.3	El	22.4	28.7	31.7	33.1	33.5	26.0
B + 47.6	Sk	-27.7	-18.4	-11.1	-5.8	10.6	28.7	B + 48.9	Sk	-29.2	-20.9	-14.2	-9.2	6.3	25.0
Bordeaux	Az	127.5	142.1	153.0	161.1	186.3	218.7	Quimper	Az	125.5	139.6	149.9	157.4	181.1	213.1
wL 0.6	El	23.5	31.0	34.8	36.6	38.2	30.7	wL 4.2; B	El	19.4	26.7	30.5	32.4	34.9	29.5
B + 44.8	Sk	-34.2	-25.8	-18.8	-13.3	4.4	26.3	+ 48.0	Sk	-33.0	-25.7	-19.6	-14.9	0.7	21.4
Boulogne	Az	132.3	147.1	157.7	165.4	184.4	214.9	Reims	Az	134.1	149.3	160.3	168.2	191.8	221.7
wL 1.6	El	20.8	26.8	29.6	31.0	31.8	26.1	eL 4.0	El	23.0	29.0	31.7	32.9	32.9	24.9
B + 50.7	Sk	-27.9	-20.1	-13.9	-9.2	2.8	21.3	B + 49.3	Sk	-27.9	-19.4	-12.7	-7.7	7.7	25.7
Brest	Az	125.3	139.3	149.6	157.1	180.6	212.5	Rennes	Az	127.9	142.3	152.9	160.6	184.5	215.9
wL 4.5	El	19.0	26.2	30.0	31.9	34.4	29.3	wL 1.7	El	20.8	27.7	31.2	32.9	34.7	28.4
B + 48.4	Sk	-32.8	-25.6	-19.7	-15.0	0.4	20.9	B + 48.1	Sk	-31.8	-24.1	-17.7	-12.8	3.0	23.0
Caen	Az	129.7	144.3	154.8	162.6	186.1	216.9	Rouen	Az	131.2	146.0	156.7	164.5	188.0	218.4
wL 0.4	El	20.8	27.3	30.6	32.2	33.4	26.9	eL 1.1	El	21.3	27.7	30.7	32.2	33.0	26.0
B + 49.2	Sk	-30.2	-22.5	-16.1	-11.3	4.0	23.1	B + 49.5	Sk	-29.3	-21.3	-14.9	-10.0	5.2	23.8
Calais	Az	132.7	147.5	158.2	165.9	188.9	218.7	St.-Etienne	Az	132.8	148.2	159.6	168.0	193.1	223.8
eL 1.9	El	20.7	26.6	29.5	30.7	31.3	24.4	eL 4.4	El	26.0	32.6	35.7	37.0	36.9	27.7
B + 51.0	Sk	-27.6	-19.8	-13.5	-8.9	5.6	23.2	B + 45.4	Sk	-31.0	-21.7	-14.1	-8.4	9.2	29.1
Chalons-sur-Marne	Az	134.3	149.8	160.6	168.6	192.3	222.2	St.-Nazaire	Az	127.1	141.4	151.9	159.7	183.8	215.7
eL 4.3	El	23.3	29.3	32.1	33.2	33.1	25.0	wL 2.2	El	21.0	28.2	31.8	33.7	35.6	29.3
B + 49.0	Sk	-28.0	-19.4	-12.6	-7.5	8.0	26.1	B + 47.3	Sk	-32.8	-25.1	-18.6	-13.6	2.6	23.3
Charleville-Mezieres	Az	135.0	150.3	161.2	169.1	192.6	222.2	St.-Quentin	Az	133.6	148.7	159.5	167.3	190.8	220.6
eL 4.7	El	22.9	28.7	31.4	32.5	32.2	24.2	eL 3.3	El	22.2	28.1	30.9	32.1	32.3	24.8
B + 49.7	Sk	-27.2	-18.7	-12.0	-7.0	8.1	25.8	B + 49.8	Sk	-27.8	-19.6	-13.0	-8.1	7.0	24.9
Clermont-Ferranc	Az	131.6	146.8	158.0	166.3	191.2	222.3	Strasburg	Az	137.8	153.6	164.9	173.0	195.8	225.9
eL 3.1	El	25.0	31.8	35.0	36.4	36.7	28.1	eL 7.8	El	25.3	30.9	33.2	34.0	32.9	23.6
B + 45.8	Sk	-31.5	-22.5	-15.1	-9.5	7.8	28.0	B + 48.6	Sk	-26.4	-17.1	-9.9	-4.6	11.1	28.4
Colmar	Az	137.1	152.9	164.2	172.4	196.4	225.7	Toulouse	Az	128.9	143.8	155.1	163.5	189.3	221.6
eL 7.3	El	25.5	31.2	33.7	34.5	33.5	24.2	eL 1.5	El	25.5	33.0	36.7	38.4	38.3	30.7
B + 48.1	Sk	-27.1	-17.7	-10.5	-5.1	10.8	28.5	B + 43.6	Sk	-34.3	-25.3	-17.8	-11.9	6.8	28.8
Epinal	Az	136.2	151.8	163.1	171.2	195.2	224.7	Tours	Az	129.9	144.7	155.5	163.4	187.7	218.9
eL 6.5	El	25.0	30.8	33.4	34.3	33.6	24.6	eL 0.7	El	22.6	29.3	32.7	34.3	35.3	28.0
B + 48.2	Sk	-27.5	-18.4	-11.2	-5.8	10.1	28.0	B + 47.4	Sk	-31.3	-13.0	-18.3	-11.1	5.2	25.2
Le Havre	Az	130.3	144.9	155.5	163.2	186.7	217.3	Verdun	Az	135.5	150.9	162.0	170.0	193.6	223.2
eL 0.1	El	20.8	27.2	30.4	31.9	33.0	26.4	eL 5.4	El	23.7	29.5	32.1	33.2	32.7	24.3
B + 49.5	Sk	-29.7	-21.9	-15.6	-10.8	4.3	23.2	B + 49.2	Sk	-27.3	-18.5	-11.7	-6.5	8.9	26.6
Limoges	Az	129.8	144.7	155.7	163.6	188.7	220.2	Marseille	Az	132.7	148.5	160.3	168.9	194.9	226.0
eL 1.3	El	23.9	31.0	34.4	36.0	36.9	29.0	eL 5.4	El	28.1	35.0	38.2	39.5	39.0	28.8
B + 45.8	Sk	-32.4	-23.8	-16.7	-11.2	6.1	26.8	B + 43.3	Sk	-32.3	-22.4	-14.2	-8.0	10.8	31.6
Lorient	Az	126.1	140.3	150.7	158.3	182.2	214.1	Metz	Az	136.3	151.8	163.0	171.0	194.6	224.0
wL 3.4	El	20.0	27.2	31.0	32.9	35.1	29.4	eL 6.2	El	24.1	29.8	32.3	33.3	32.6	24.0
B I 47.8	Sk	-32.9	-25.4	-19.2	-14.4	1.5	22.1	B I 49.1	Sk	-26.9	-18.0	-11.0	-5.9	9.6	27.1
Lyon	Az	133.4	148.9	160.4	168.7	193.6	224.2	Montpe lier	Az	131.3	146.8	158.3	166.9	192.8	224.2
eL 4.8	El	26.0	32.5	35.5	36.7	36.4	27.2	eL 3.9	El	27.0	34.1	37.5	38.9	38.9	29.4
B + 45.8	Sk	-30.5	-21.1	-13.6	-7.9	9.4	29.0	B + 43.6	Sk	-33.0	-23.4	-15.5	-9.5	9.2	30.4

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

Italy

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation Sk : Skew

		Turk sat 1C,2A	Astra 2A/2B/ 2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlanti cbird 3	Hispa sat 1C,1D			Turk sat 1C,2A	Astra 2A/2B/2 D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlant icbird 3	Hispa sat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W			42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W
Ancona	Az	141.8	159.2	171.8	180.7	205.9	234.0	La Spezia	Az	137.9	154.5	166.7	175.5	200.8	230.1
eL 13.5	El	32.2	37.6	39.4	39.8	36.4	23.7	eL 9.8	El	29.9	35.9	38.3	39.0	37.0	25.6
B + 43.6	Sk	-21.6	-14.9	-8.0	0.5	18.4	35.9	B + 44.1	Sk	-28.8	-18.0	-9.5	-3.3	14.8	33.5
Arezzo	Az	139.8	156.9	169.4	178.3	203.7	232.5	Lecce	Az	145.7	164.7	178.4	188.0	213.5	239.9
eL 11.8	El	31.5	37.2	39.3	39.5	37.1	24.9	eL 18.2	El	37.3	42.2	43.4	43.1	37.6	22.5
B + 43.5	Sk	-27.9	-16.6	-7.7	-1.2	16.9	35.1	B + 40.3	Sk	-25.5	-11.6	-1.2	6.1	24.9	41.3
Asciano	Az	139.3	156.4	168.9	177.9	203.4	232.3	Livorno	Az	138.1	154.9	167.2	175.1	201.7	230.9
eL 11.5	El	31.5	37.4	39.5	40.1	37.4	25.2	eL 10.3	El	30.6	36.7	39.1	39.8	37.5	25.8
B + 43.2	Sk	-28.4	-17.0	-8.1	-1.6	16.8	35.2	B + 43.5	Sk	-29.0	-18.0	-9.3	-2.8	15.5	34.3
Ascoli Piceno	Az	141.5	159.0	171.7	180.8	206.3	234.4	Milano	Az	137.9	154.2	166.1	174.7	199.5	228.8
eL 13.6	El	32.9	38.4	40.2	40.6	37.1	24.2	eL 9.2	El	28.5	34.4	36.8	37.5	35.8	25.1
B + 42.9	Sk	-27.1	-15.2	-6.0	0.6	18.9	36.6	B + 45.5	Sk	-28.0	-17.8	-9.7	-2.8	13.6	31.8
Ascoli Satriano	Az	142.9	161.2	174.4	183.8	209.6	237.1	Napoli	Az	141.2	159.2	172.5	181.9	206.1	236.1
	El	35.3	40.7	42.3	42.3	38.0	23.9	eL 14.3	El	34.9	40.7	42.6	42.8	38.8	24.9
eL 15.5 B + 41.2	Sk	-27.0	-14.1	-4.2	2.9	21.8	39.2	B + 40.8	Sk	-28.3	-15.6	-5.7	1.5	21.0	39.0
Bari	Az	144.5	163.1	176.5	185.9	211.4	238.4	Padova	Az	140.5	157.2	169.4	178.0	202.8	231.3
eL 16.9	El	36.0	41.1	42.4	42.3	37.5	23.0	eL 11.6	El	29.8	35.3	37.3	37.8	35.3	23.8
B + 41.1	Sk	-25.9	-12.7	-2.7	4.4	23.2	39.9	B + 45.3	Sk	-26.6	-15.8	-7.5	-1.4	15.8	33.3
Barletta	Az	143.9	162.3	175.6	185.0	210.5	237.7	Palermo	Az	138.5	156.8	170.6	180.6	206.3	236.6
eL 16.3	El	35.5	40.7	42.2	42.1	37.5	23.3	eL 13.4	El	36.7	43.2	45.4	45.8	41.8	27.1
B + 41.3	Sk	-26.3	-13.2	-3.3	3.7	22.5	39.5	B + 39.1	Sk	-31.4	-18.1	-7.4	0.5	21.9	41.2
Bergamo	Az	138.5	154.9	166.8	175.3	200.1	229.2	Parma	Az	138.8	155.4	167.5	176.2	201.3	230.3
eL 9.7	El	28.5	34.3	36.5	37.3	35.4	24.6	eL 10.3	El	29.6	35.4	37.7	38.3	36.1	24.8
B + 45.7	Sk	-27.5	-17.2	-9.2	-3.2	13.9	31.9	B + 44.8	Sk	-27.9	-17.2	-8.8	-2.7	14.9	33.1
Bologna	Az	139.8	156.6	168.8	177.6	202.7	231.4	Pavia	Az	137.7	154.1	166.0	174.6	199.6	229.0
eL 11.3	El	30.4	36.0	38.1	38.7	36.2	24.5	eL 9.2	El	28.7	34.7	37.1	37.9	36.1	25.3
B + 44.5	Sk	-27.5	-16.5	-7.9	-1.7	15.9	33.9	B + 45.2	Sk	-28.3	-18.0	-9.8	-3.8	13.7	32.1
Bolzano	Az	140.7	157.3	169.2	177.7	202.0	230.5	Pesaro	Az	141.2	158.5	170.9	179.8	204.9	233.2
eL 11.3	El	28.7	34.0	36.0	36.5	34.2	23.1	eL 12.9	El	31.6	37.1	39.0	39.4	36.3	23.9
B + 46.5	Sk	-25.9	-15.4	-7.4	-1.6	14.9	32.1	B + 43.9	Sk	-26.8	-15.3	-6.5	-0.1	17.7	35.3
Brescia	Az	139.1	155.6	167.6	176.2	201.0	229.9	Pescara	Az	142.0	159.8	172.6	181.8	207.3	235.2
eL 10.3	El	29.0	34.7	36.9	37.6	35.5	24.4	eL 14.2	El	33.5	39.0	40.7	41.0	37.2	24.0
B + 45.5	Sk	-27.3	-16.8	-8.6	-2.6	14.5	32.4	B + 42.5	Sk	-27.0	-14.8	-5.4	1.3	19.7	37.3
Cagliari	Az	134.4	151.3	164.3	173.9	201.7	232.1	Piacenza	Az	138.1	154.5	166.5	175.2	200.2	229.5
eL 9.1	El	33.3	40.4	43.4	44.4	42.3	29.4	eL 9.6	El	29.1	35.0	37.3	38.1	36.2	25.2
B + 39.3	Sk	-33.6	-21.8	-12.1	-4.7	16.6	37.6	B + 45.0	Sk	-28.2	-17.7	-9.5	-3.4	14.2	32.5
Carpi	Az	139.4	156.1	168.3	177.0	202.0	230.8	Pisa	Az	138.3	155.1	167.3	176.2	201.7	230.9
eL 10.9	El	29.9	35.6	37.8	38.4	36.0	24.6	eL 10.4	El	30.5	36.5	38.8	39.5	37.3	25.6
B + 44.8	Sk	-27.5	-15.8	-5.8	1.4	15.4	33.4	B + 43.7	Sk	-28.7	-17.7	-9.1	-2.7	15.5	34.2
Carrara	Az	138.2	154.9	167.1	175.9	201.2	230.5	Roma	Az	139.7	157.2	170.0	179.3	205.3	233.9
eL 10.1	El	30.1	36.1	38.4	39.1	37.0	25.5	eL 12.5	El	33.1	39.1	41.2	41.6	38.4	25.5
B + 44.1	Sk	-28.6	-17.8	-9.3	-3.0	15.1	33.6	B + 41.9	Sk	-28.8	-16.8	-7.4	-0.6	18.5	37.0
Catania	Az	140.2	159.0	173.2	183.4	211.0	238.7	Taranto	Az	144.5	163.3	176.9	186.4	212.1	239.0
eL 15.1	El	36.2	44.4	46.3	46.5	41.7	26.3	eL 17.2	El	36.7	41.8	43.1	43.0	37.9	23.1
B + 37.5	Sk	-30.5	-16.5	-5.4	2.7	24.1	42.7	B + 40.5	Sk	-26.2	-12.6	-2.4	4.9	23.9	40.7
Catanzaro	Az	142.9	161.9	175.9	185.8	212.3	239.3	Torino	Az	136.0	152.1	163.9	172.5	197.6	227.5
eL 16.6	El	37.8	43.4	44.9	44.8	39.7	24.4	eL 7.7	El	28.0	34.2	36.9	37.8	36.6	26.2
B + 38.9	Sk	-28.0	-14.0	-3.2	4.5	24.5	42.0	B + 45.1	Sk	-29.3	-19.3	-11.3	-5.3	12.4	31.4
Cesaro	Az	139.8	158.5	172.6	182.7	210.2	238.1	Trento	Az	140.3	156.9	168.9	177.4	201.9	230.5
eL 14.6	El	37.7	43.9	45.9	46.1	41.6	26.4	eL 11.1	El	28.9	34.4	36.4	37.0	34.6	23.5
B + 37.8	Sk	-30.7	-16.8	-5.9	2.1	23.4	42.2	B + 46.1	Sk	-26.3	-15.8	-7.7	-1.8	14.9	32.3
Cesena	Az	140.6	157.7	170.0	178.9	204.0	232.5	Trieste	Az	143.0	160.1	172.3	181.0	205.3	233.2
eL 12.2	El	31.1	36.7	38.6	39.1	36.3	24.2	eL 13.7	El	30.6	35.6	37.2	37.5	34.3	22.4
B + 44.2	Sk	-27.1	-15.8	-7.1	-0.8	16.9	34.6	B + 45.6	Sk	-24.9	-13.8	-5.4	0.7	17.4	34.1
Cosenza	Az	142.7	161.5	175.3	185.1	211.5	238.9	Venezia	Az	141.4	158.2	170.4	179.1	203.7	232.0
eL 16.2	El	37.3	42.9	44.4	44.4	39.5	24.5	eL 12.3	El	30.1	35.4	37.3	37.7	34.9	23.3
B + 39.3	Sk	-28.0	-14.2	-3.6	3.9	23.8	41.4	B + 45.4	Sk	-26.0	15.1	-6.7	-0.6	16.3	33.6
Ferrara	Az	140.2	157.1	169.3	178.0	202.9	231.6	Verona	Az	139.8	156.5	168.5	177.2	202.0	230.7
eL 11.6	El	30.2	35.8	37.8	38.4	35.8	24.1	eL 11.0	El	29.5	35.1	37.2	37.8	35.5	24.1
B + 44.8	Sk	-27.0	-16.1	-7.6	-1.4	16.1	33.8	B + 45.3	Sk	-27.0	-16.3	-8.0	-2.0	11.6	33.0
Firenze	Az	139.3	156.2	168.6	177.5	202.8	231.7	Venise	Az	141.1	158.0	170.2	179.9	203.5	231.9
eL 11.3	El	30.9	36.7	38.9	39.5	36.9	25.0	eL 12.2	El	30.1	35.5	37.4	37.8	35.1	23.4
B + 43.8	Sk	-28.0	-16.9	-8.2	-1.8	16.3	34.5	B + 45.3	Sk	-26.2	-15.3	-6.9	-0.8	16.3	33.6

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

Spain

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation Sk : Skew

		Turk sat 1C,2A	Astra 2A/2B/2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlantl cbird 3	Hlsp asat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W
Albacete	Az	123.2	137.4	148.6	157.2	185.0	220.4
wL 1.8	El	26.3	35.2	39.8	42.3	44.7	36.3
B + 39.0	Sk	-40.5	-31.7	-23.9	-17.5	3.9	30.3
Algeciras	Az	118.4	-37.2	142.1	150.5	179.2	217.7
wL 5.5	El	25.2	35.1	40.6	43.7	48.1	40.7
B + 36.2	Sk	-45.2	-37.2	-29.7	-23.4	-0.7	29.5
Alicante	Az	124.1	138.6	150.0	158.9	187.2	222.3
wL 0.5	El	27.6	36.5	41.0	43.4	45.3	36.0
B + 38.4	Sk	-40.4	-31.2	-23.1	-16.4	5.7	31.9
Almeria	Az	121.4	135.4	146.5	155.3	184.2	221.0
wL 2.5	El	27.1	36.5	41.6	44.2	47.2	38.4
B + 36.9	Sk	-43.0	-34.2	-26.2	-19.6	3.3	31.6
Avila	Az	121.5	135.2	145.8	153.9	180.4	215.9
wL 4.7	El	23.4	32.2	37.0	39.6	43.0	36.3
B + 40.7	Sk	-40.2	-32.3	-25.3	-19.5	0.4	26.4
Badajoz	Az	118.6	131.7	141.9	149.9	176.8	214.1
wL 7.0	El	22.7	32.2	37.5	40.5	45.0	39.1
B + 38.8	Sk	-43.2	-35.6	-28.7	-23.0	-2.5	25.9
Barcelona	Az	128.4	143.6	155.2	163.9	190.8	223.6
eL 2.2	El	27.5	35.3	39.1	40.9	41.6	32.1
B + 41.4	Sk	-36.0	-26.5	-18.4	-12.3	8.1	31.2
Bilbao	Az	124.5	138.6	149.3	157.4	183.0	216.7
wL 2.9	El	23.1	31.1	35.4	37.6	40.1	33.2
B + 43.3	Sk	-36.8	-28.8	-21.8	-16.3	2.2	25.8
Burgos	Az	123.3	137.3	147.9	156.0	182.0	216.3
wL 3.7	El	23.1	31.5	35.9	38.3	41.1	34.3
B + 42.4	Sk	-38.1	-30.1	-23.1	-17.5	1.4	25.9
Cadiz	Az	117.9	130.8	141.2	149.5	177.8	216.4
wL 6.3	El	24.4	34.3	39.8	43.0	47.6	40.9
B + 36.5	Sk	-45.3	-37.5	-30.2	-24.1	-1.8	28.5
Cartagena	Az	123.2	137.6	149.0	157.8	186.6	222.3
wL 1.0	El	27.7	36.8	41.5	44.0	46.2	36.9
B + 37.6	Sk	-41.5	-32.3	-24.1	-17.4	5.2	32.2
Cordoba	Az	119.9	133.3	144.0	152.3	180.3	217.5
wL 4.8	El	24.8	34.3	39.5	42.3	46.2	38.9
B + 37.8	Sk	-43.2	-35.1	-27.7	-21.5	0.3	28.6
Gijon	Az	122.1	135.7	146.0	153.8	179.0	213.2
wL 5.7	El	21.1	29.4	33.9	36.4	39.8	34.2
B + 43.5	Sk	-37.9	-30.4	-23.9	-18.7	-0.7	-0.7
Granada	Az	120.6	134.3	145.2	153.8	182.3	219.4
wL 3.6	El	26.1	35.6	40.7	43.5	46.9	38.8
B + 37.2	Sk	-43.3	-34.8	-27.1	-20.6	1.8	30.4
Hospitalet de Llobregat	Az	128.3	143.4	155.0	163.7	190.7	223.5
el 2.1	El	27.5	35.3	39.1	40.9	41.7	32.1
B + 41.4	Sk	-36.0	-26.6	-18.5	-12.1	8.0	31.1
Ibiza	Az	126.3	141.2	153.0	161.9	190.2	224.2
eL 1.4	El	28.6	37.1	41.3	43.4	44.5	34.5
B + 38.9	Sk	-38.9	-29.1	-20.7	-13.9	7.9	32.9

		Turk sat 1C,2A	Astra 2A/2B/2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlant icbird 3	Hlspa sat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W
La Coruna	Az	119.5	132.7	142.7	150.3	175.0	210.0
wL 8.4	El	19.5	28.1	32.9	35.6	39.9	35.5
B + 43.3	Sk	-39.3	-32.3	-26.2	-21.2	-3.6	21.3
Las Palmas	Az	106.8	116.3	124.3	131.0	158.7	208.9
wL 15.4	El	20.2	32.3	39.9	44.7	55.2	53.5
B + 28.1	Sk	-57.6	-52.3	-46.8	-41.8	-18.7	25.3
Madrid	Az	122.3	136.2	146.9	155.1	182.0	217.3
wL 3.7	El	24.2	33.0	37.7	40.2	43.3	36.0
B + 40.4	Sk	-40.1	-31.8	-24.6	-18.6	1.5	27.5
Malaga	Az	119.6	133.1	143.8	152.3	181.0	218.7
wL 4.4	El	25.7	35.4	40.7	43.6	47.4	39.6
B + 36.7	Sk	-44.2	-35.9	-28.2	-21.9	0.8	30.1
Palma de Mallorca	Az	127.9	143.1	155.0	164.0	191.9	225.2
	El	29.0	37.1	41.1	43.0	43.5	33.2
eL 2.7 B + 39.6	Sk	-37.4	-27.6	-19.0	-12.3	9.2	33.2
Salamanca	Az	120.9	134.3	144.8	152.8	179.0	214.6
wl 5.7	El	22.6	31.4	36.3	38.9	42.7	36.5
B + 41.0	Sk	-40.4	-32.7	-25.8	-20.2	-0.8	25.3
San Sebastian	Az	125.4	139.7	150.5	158.7	184.4	217.8
wL 2.0	El	23.6	31.6	35.7	37.8	40.0	32.7
B + 43.3	Sk	-36.4	-28.1	-21.0	-15.3	3.2	26.5
Santa Cruz de la Palma	Az	105.5	114.9	122.5	128.9	154.7	204.3
	El	18.0	30.1	37.6	42.5	53.7	53.9
wL 17.8 B + 28.7	Sk	-57.7	-52.7	-47.7	-43.1	-22.0	21.1
Santa Cruz de Tenerife	Az	106.4	115.9	123.8	130.4	157.3	207.2
	El	19.4	31.5	39.0	43.8	54.5	53.5
wL 16.3 B + 28.5	Sk	-57.5	-52.3	-46.9	-42.0	-19.8	23.6
Santander	Az	123.7	137.7	148.3	156.2	181.7	215.5
wL 3.9	El	22.3	30.5	34.8	37.1	39.9	33.4
B + 43.5	Sk	-37.1	-29.3	-22.5	-17.0	1.2	24.9
Sevilla	Az	118.7	131.8	142.2	150.4	178.4	216.3
wL 5.0	El	24.2	33.9	39.3	42.3	46.7	39.9
B + 37.4	Sk	-44.2	-36.3	-29.1	-23.1	-1.3	28.0
Valencia	Az	124.5	139.0	150.3	159.5	186.8	221.6
wL 0.7	El	26.9	35.6	40.0	42.3	44.3	35.3
B + 39.3	Sk	-39.6	-30.2	-22.1	-15.7	5.2	30.9
Valladolid	Az	122.0	135.7	146.3	154.3	180.4	215.4
wL 4.7	El	22.8	31.5	36.1	38.6	41.9	35.5
B + 41.6	Sk	-39.3	-31.5	-24.5	-18.9	0.3	25.7
Vigo	Az	118.5	131.8	141.8	149.4	174.5	210.2
wL 8.7	El	19.8	28.7	33.7	36.5	41.1	36.7
B + 42.2	Sk	-40.5	-33.5	-27.3	-22.4	-4.1	21.8
Zaragoza	Az	125.4	139.9	151.0	159.4	186.0	219.9
wL 1.0	El	25.3	33.5	37.7	39.9	41.8	33.6
B + 41.6	Sk	-37.5	-28.7	-21.7	-15.1	4.5	28.6

*Note: If you are missing the city you are living in, please visit http://www.lyngsat.com/

Switzerland

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation Sk : Skew

		Turk sat 1C,2A	Astra 2A/2B/2D Euro bird 1	Astra 1E-1H /1KR/ 2C	Hot bird 2/6/7A /8	Atlanticbird 3	Hispasat 1C,1D
		42.0 E	28.2 E	19.2 E	13.0 E	5.0 W	30.0 W
Basel eL 7.6 B + 47.6	Az	137.1	153.0	164.5	172.7	196.9	226.2
	El	26.0	31.8	34.2	35.1	34.0	24.4
	Sk	-27.3	-17.8	-10.4	-4.9	11.3	29.1
Bern eL 7.4 B + 47.0	Az	136.7	152.6	164.1	172.4	196.8	226.3
	El	26.4	32.3	34.8	35.8	34.7	25.0
	Sk	-27.9	-18.3	-10.8	-5.2	11.3	29.5
Biel eL 8.2 B + 46.5	Az	137.3	153.4	165.0	173.4	198.0	227.4
	El	27.2	33.1	35.5	36.4	35.0	24.9
	Sk	-27.8	-18.0	-10.3	-4.5	12.2	30.4
Genf eL 6.2 B + 46.2	Az	135.0	150.7	162.2	170.6	195.3	225.3
	El	26.3	32.6	35.3	36.4	35.7	26.2
	Sk	-29.3	-19.8	-12.2	-6.5	10.6	29.5
Köniz eL 7.4 B + 46.9	Az	136.7	152.5	164.1	172.4	196.8	226.3
	El	26.4	32.3	34.8	35.8	34.7	25.0
	Sk	-28.0	-18.4	-10.8	-5.2	11.4	29.6
Lausanne eL 6.7 B + 46.5	Az	135.7	151.4	162.9	171.3	195.9	225.7
	El	26.4	32.5	35.1	36.1	35.3	25.7
	Sk	-28.7	-19.2	-11.6	-6.0	10.9	29.6
Locarno eL 8.8 B + 46.2	Az	137.8	154.0	165.7	174.2	198.8	228.1
	El	27.7	33.6	35.9	36.7	35.2	24.8
	Sk	-27.7	-17.7	-9.8	-4.0	12.9	31.0
Luzern eL 7.9 B + 47.0	Az	137.2	153.2	164.7	173.1	197.4	226.8
	El	26.6	32.4	34.8	35.7	34.5	24.6
	Sk	-27.6	-17.9	-10.4	-4.7	11.8	29.8
Sankt Gallen eL 9.4 B + 47.4	Az	139.0	155.2	166.8	175.1	199.2	228.1
	El	27.0	32.5	34.7	35.4	33.7	23.6
	Sk	-26.4	-16.5	-8.9	-3.3	12.9	30.3
Thun eL 7.6 B + 46.8	Az	136.8	152.8	164.3	172.7	197.1	226.6
	El	26.7	32.6	35.0	36.0	34.8	25.0
	Sk	-28.0	-18.3	-10.7	-5.1	11.6	29.8
Winterthur eL 8.8 B + 47.5	Az	138.4	154.4	166.0	174.2	198.4	227.4
	El	26.6	32.2	34.5	35.3	33.8	23.9
	Sk	-26.7	-16.9	-9.4	-3.8	12.3	29.9
Zürich eL 8.6 B + 47.4	Az	138.1	154.1	165.7	174.0	198.1	227.3
	El	26.6	32.3	34.6	35.4	34.0	24.0
	Sk	29.8	-17.1	-9.6	-4.0	12.2	29.8

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

Norway

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation

		Tuerksat 1C,2A	ASTRA Eurobird 1	ASTRA 1D/3A	ASTRA 1E -	Eutelsat W2	Hotbird 2/6/7A/8	Eutelsat W1	Eutelsat W3A	Intelsat: Thor 2 - 3	Atlantic Bird 3	HISPASAT T 1C,1D
		42.0 East	28.2 East	23.5 East	19.2 East	16.0 East	13.0 East	10.0 East	7.0 East	1.0 West	5.0 West	30.0 West
Bergen	Az:	139.4	154.1	159.3	164.1	167.8	171.2	174.6	178.1	187.3	191.8	219.2
eL 5.3; B + 60.4	El:	15.0	18.9	19.8	20.5	20.9	21.2	21.4	21.5	21.3	21.0	15.4
	Sk:	-18.8	-12.5	-10.1	-7.8	-6.0	-4.4	-2.7	-1.0	3.6	5.8	18.2
Drammen	Az:	144.4	159.4	164.8	169.7	173.4	176.8	180.3	183.8	193.0	197.5	224.4
eL 10.3; B + 59.8	El:	17.0	20.5	21.2	21.8	22.0	22.2	22.2	22.1	21.5	21.0	14.2
	Sk:	-17.0	-10.1	-7.6	-5.2	-3.3	-1.6	0.2	1.9	6.5	8.7	20.6
Kristiansand	Az:	141.6	156.6	161.9	166.9	170.6	174.1	177.7	181.2	190.5	195.2	222.6
eL 8.0; B + 58.1	El:	17.7	21.6	22.6	23.2	23.6	23.8	23.9	23.9	23.5	23.0	16.2
	Sk:	-19.2	-12.1	-9.4	-6.9	-5.0	-3.1	-1.2	0.6	5.6	8.0	21.0
Oslo	Az:	145.0	160.0	165.4	170.3	173.9	177.4	180.9	184.3	193.5	198.1	224.9
eL 10.8; B + 59.9	El:	17.1	20.4	21.2	21.7	21.9	22.0	22.0	22.0	21.3	20.7	13.9
	Sk:	-16.7	-9.8	-7.3	-4.8	-3.0	-1.3	0.5	2.2	6.8	9.0	20.8
Stavanger	Az:	139.4	154.3	159.6	164.4	168.1	171.6	175.0	178.5	187.8	192.5	220.0
eL 5.8; B + 59.0	El:	16.2	20.3	21.3	22.0	22.5	22.8	22.9	23.0	22.8	22.4	16.4
	Sk:	-19.5	-12.9	-10.4	-7.9	-6.1	-4.3	-2.5	-0.7	4.1	6.4	19.4
Trondheim	Az:	145.5	160.3	165.4	170.2	173.7	177.1	180.4	183.8	192.7	197.1	223.5
eL 10.4; B + 63.6	El:	13.8	16.7	17.4	17.8	18.0	18.1	18.1	18.1	17.6	17.1	11.3
	Sk:	-14.6	-8.6	-6.4	-4.3	-2.8	-1.3	0.2	1.7	5.6	7.5	17.8

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Denmark

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation

		Tuerksat 1C,2A	ASTRA Eurobird 1	ASTRA 1D/3A	ASTRA 1E -	Eutelsat W2	Hotbird 2/6/7A/8	Eutelsat W1	Eutelsat W3A	Intelsat Thor 2 - 3	Atlantic Bird 3	HISPASAT ´C,1D
		42.0 East	28.2 East	23.5 East	19.2 East	16.0 East	13.0 East	10.0 East	7.0 Eas.	1.0 West	5.0 West	30.0 West
Alborg	Az:	143.3	158.5	163.9	169.0	172.8	176.3	179.9	183.5	193.0	197.6	224.9
eL 9.9; B + 57.1	El:	19.3	23.1	23.9	24.6	24.9	25.0	25.1	25.0	24.4	23.8	16.3
	Sk:	-19.0	-11.5	-8.7	-6.0	-3.9	-2.0	-0.1	1.9	7.0	9.4	22.5
Arhus	Az:	143.3	158.7	164.1	169.2	173.0	176.7	180.3	183.9	193.4	198.1	225.5
eL 10.2; B + 56.2	El:	20.1	24.1	24.9	25.5	25.8	26.0	26.0	26.0	25.3	24.6	16.9
	Sk:	-19.4	-11.7	-8.8	-6.0	-3.9	-1.9	0.1	2.1	7.4	10.0	23.4
Esbjerg	Az:	141.2	156.5	162.0	167.0	170.9	174.5	178.1	181.8	191.4	196.2	224.0
eL 8.5; B + 55.5	El:	20.0	24.3	25.3	26.0	26.4	26.7	26.8	26.8	26.2	25.6	18.1
	Sk:	-20.8	-13.0	-10.1	-7.3	-5.1	-3.1	-1.0	1.0	6.5	9.1	23.2
Helsingor	Az:	145.8	161.4	166.9	172.1	175.9	179.6	183.2	186.8	196.3	201.0	228.0
eL 12.6; B + 56.1	El:	21.0	24.7	25.4	25.9	26.1	26.2	26.1	26.0	25.0	24.2	15.9
	Sk:	-18.3	-10.2	-7.2	-4.4	-2.3	-0.3	1.8	3.8	9.0	11.5	24.5
Horsens	Az:	143.5	158.8	164.2	169.2	173.0	176.6	180.1	183.7	193.2	197.8	225.1
eL 10.1; B + 57.1	El:	19.3	23.1	24.0	24.5	24.8	25.0	25.0	25.0	24.3	23.7	16.2
	Sk:	-18.9	-11.4	-8.5	-5.8	-3.8	-1.9	0.1	2.0	7.1	9.6	22.6
Kobenhavn	Az:	145.7	161.3	166.9	172.0	175.8	179.5	183.1	186.7	196.3	201.0	228.0
eL 12.6; B + 55.7	El:	21.3	25.0	25.9	26.3	26.5	26.6	26.5	26.4	25.4	24.6	16.2
	Sk:	-18.5	-10.4	-7.4	-4.5	-2.3	-0.3	1.8	3.8	9.1	11.7	24.8
Kolding	Az:	142.3	157.7	163.2	168.3	172.1	175.8	179.4	183.0	192.7	197.4	225.0
eL 9.5; B + 55.5	El:	20.4	24.6	25.5	26.2	26.5	26.7	26.8	26.7	26.1	25.4	17.7
	Sk:	-20.3	-12.4	-9.4	-6.6	-4.5	-2.4	-0.3	1.7	7.1	9.8	23.6
Odense	Az:	143.2	158.7	164.2	169.4	173.2	176.9	180.5	184.1	193.8	198.5	226.0
eL 10.4; B + 55.4	El:	20.8	24.9	25.8	26.4	26.7	26.8	26.9	26.8	26.0	25.3	17.3
	Sk:	-19.9	-11.9	-8.9	-6.0	-3.9	-1.8	0.3	2.3	7.8	10.4	24.1
Randers	Az:	143.2	158.5	164.1	169.1	172.9	176.5	180.1	183.7	193.2	197.9	225.2
eL 10.1; B + 56.5	El:	19.8	23.7	24.5	25.2	25.5	25.7	25.7	25.7	25.0	24.3	16.7
	Sk:	-19.3	-11.6	-8.7	-6.0	-3.9	-1.9	0.1	2.1	7.3	9.8	23.1
Roskilde	Az:	145.2	160.8	166.3	171.4	175.3	178.9	182.6	186.2	195.8	200.5	227.6
eL 12.1; B + 55.7	El:	21.2	25.0	25.7	26.3	26.5	26.6	26.6	26.4	25.5	24.8	16.2

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

Austria

eL=East Longitude wL=West Longitude B=Latitude Az=Azimuth El=Elevation

		Tuerksat 1C,2A	ASTRA Eurobird 1	ASTRA 1D/3A	ASTRA 1E -	Eutelsat W2	Hotbird 2/6/7A/8	Eutelsat W1	Eutelsat W3A	Intelsat Thor 2 - 3	Atlantic Bird 3	HISPASAT 1C,1D
		42.0 East	28.2 East	23.5 East	19.2 East	16.0 East	13.0 East	10.0 East	7.0 East	1.0 West	5.0 West	30.0 West
Amstetten	Az:	145.4	162.3	168.5	174.2	178.5	182.5	186.5	190.5	200.9	205.9	233.2
eL 14.9; B + 48.1	El:	28.8	33.3	34.1	34.6	34.7	34.7	34.6	34.2	32.7	31.5	20.1
	Sk:	-22.2	-11.7	-7.6	-3.9	-1.0	1.7	4.4	7.0	13.8	17.0	32.4
Attersee	Az:	143.8	160.6	166.6	172.4	176.7	180.7	184.8	188.8	199.3	204.3	232.0
eL 13.5; B + 47.9	El:	28.5	33.2	34.1	34.7	34.9	35.0	34.9	34.6	33.2	32.1	21.0
	Sk:	-23.3	-12.9	-8.9	-5.1	-2.3	0.5	3.2	5.8	12.8	16.0	31.9
Bad Ischl	Az:	143.9	160.7	166.7	172.5	176.8	180.9	184.9	188.9	199.4	204.5	232.2
eL 13.6; B + 47.7	El:	28.7	33.4	34.4	34.9	35.1	35.2	35.1	34.8	33.4	32.3	21.0
	Sk:	-23.4	-12.9	-8.9	-5.1	-2.2	0.6	3.3	6.0	12.9	16.2	32.1
Bader	Az:	147.0	164.1	170.2	176.0	180.3	184.3	188.3	192.3	202.6	207.6	234.5
eL 16.2; B + 48.0	El:	29.5	33.6	34.4	34.8	34.9	34.8	34.5	34.1	32.4	31.2	19.4
	Sk:	21.4	10.6	6.5	2.7	0.2	2.9	5.6	8.2	14.9	18.0	33.0
Bludenz	Az:	139.4	155.6	161.6	167.3	171.6	175.7	179.8	183.9	194.6	199.9	228.7
eL 9.8; B + 47.2	El:	27.4	32.9	34.1	35.0	35.5	35.7	35.8	35.7	34.8	33.9	23.5
	Sk:	-26.3	-16.3	-12.4	-8.6	-5.7	-3.0	-0.2	2.6	9.8	13.3	30.7
Braunau	Az:	143.4	160.1	166.2	171.8	176.0	180.1	184.1	188.1	198.5	203.6	231.4
eL 13.1; B + 48.3	El:	28.0	32.7	33.6	34.3	34.5	34.6	34.5	34.3	33.0	31.9	21.0
	Sk:	-23.3	-13.1	-9.1	-5.4	-2.6	0.1	2.8	5.4	12.3	15.5	31.3
Bregenz	Az:	139.4	155.6	161.6	167.2	171.5	175.5	179.6	183.7	194.4	199.6	228.4
eL 9.7; B + 47.5	El:	27.1	32.5	33.8	34.6	35.1	35.3	35.4	35.4	34.4	33.6	23.3
	Sk:	-26.1	-16.2	-12.3	-8.6	-5.7	-3.0	-0.3	2.5	9.7	13.1	30.3
Bruck	Az:	147.6	164.8	171.0	176.8	181.1	185.1	189.1	193.1	203.3	208.3	235.1
eL 16.8; B + 48.0	El:	29.7	33.8	34.5	34.8	34.9	34.7	34.5	34.1	32.2	31.0	19.1
	Sk:	-21.0	-10.1	-6.0	-2.2	0.7	3.4	6.1	8.7	15.4	18.5	33.3
Deutschlandsberg	Az:	145.3	162.5	168.7	174.6	178.9	183.1	187.2	191.2	201.8	206.8	234.1
eL 15.2; B + 46.8	El:	30.2	34.7	35.6	36.0	36.2	36.1	35.9	35.6	33.9	32.6	20.7
	Sk:	-23.0	-11.9	-7.7	-3.8	-0.8	2.1	4.9	7.6	14.7	18.0	33.7
Donawitz	Az:	145.4	162.4	168.7	174.4	178.7	182.9	186.9	190.9	201.4	206.4	233.7
eL 15.1; B + 47.4	El:	29.6	34.1	34.9	35.4	35.6	35.5	35.4	35.0	33.4	32.2	20.4
	Sk:	-22.6	-11.8	-7.7	-3.8	-0.8	1.9	4.7	7.4	14.3	17.5	33.1
Dornbirn	Az:	139.4	155.6	161.7	167.3	171.5	175.5	179.7	183.7	194.5	199.7	228.5
eL 9.8; B + 47.4	El:	27.2	32.6	33.9	34.7	35.2	35.4	35.5	35.5	34.5	33.6	23.4
	Sk:	-26.1	-16.2	-12.3	-8.5	-5.7	-2.8	-0.2	2.6	9.8	13.2	30.5
Ebensee	Az:	144.1	160.8	167.0	172.7	177.0	181.0	185.1	189.1	199.6	204.6	232.3
eL 13.8; B + 47.8	El:	28.7	33.3	34.3	34.8	35.1	35.1	35.0	34.7	33.3	32.1	20.9
	Sk:	-23.2	-12.7	-8.7	-4.9	-2.0	0.7	3.4	6.1	13.0	16.3	32.1
Eisenarz	Az:	145.3	162.2	168.4	174.2	178.5	182.6	186.6	190.7	201.1	206.1	233.5
eL 14.9; B + 47.5	El:	29.4	33.9	34.8	35.2	35.4	35.4	35.2	34.9	33.2	32.1	20.4
	Sk:	-22.7	-11.9	-7.8	-3.9	-1.0	1.7	4.5	7.2	14.1	17.3	32.9
Eisenstadt	Az:	147.1	164.3	170.5	176.3	180.7	184.7	188.8	192.8	203.2	208.1	235.0
eL 16.5; B + 47.5	El:	30.1	34.2	35.0	35.4	35.4	35.3	35.1	34.6	32.8	31.6	19.5
	Sk:	-21.5	-10.5	-6.4	-2.5	0.5	3.2	5.9	8.6	15.4	18.6	33.6
Feldbach	Az:	146.1	163.3	169.7	175.4	179.6	183.9	188.0	192.1	202.5	207.5	234.7
eL 15.9; B + 47.0	El:	30.3	34.7	35.5	35.9	36.0	36.0	35.7	35.3	33.6	32.3	20.2
	Sk:	-22.3	-11.2	-7.0	-3.1	-0.1	2.7	5.5	8.2	15.2	18.4	33.8
Fohnsdorf	Az:	144.8	161.8	168.1	173.8	178.2	182.3	186.3	190.4	200.9	206.0	233.4
eL 14.7; B + 47.2	El:	29.6	34.2	35.1	35.6	35.7	35.7	35.6	35.2	33.6	32.5	20.8
	Sk:	-23.0	-12.2	-8.1	-4.2	-1.2	1.6	4.3	7.1	14.1	17.3	33.1
Fürstenfeld	Az:	146.4	163.6	170.0	175.7	180.1	184.2	188.2	192.3	202.7	207.7	234.8
eL 16.1; B + 47.1	El:	30.3	34.6	35.4	35.8	35.9	35.8	35.6	35.2	33.4	32.1	20.1
	Sk:	-22.1	-11.0	-6.8	-2.9	0.1	2.9	5.6	8.4	15.3	18.5	33.8
Gmunden	Az:	144.2	160.9	167.0	172.7	177.0	181.1	185.1	189.1	199.6	204.6	232.3
eL 13.8; B + 47.9	El:	28.6	33.2	34.2	34.7	34.9	35.0	34.9	34.6	33.1	32.0	20.8
	Sk:	-23.1	-12.7	-8.7	-4.9	-2.0	0.7	3.4	6.1	13.0	16.2	32.0
Graz	Az:	145.6	162.7	169.0	174.8	179.1	183.2	187.3	191.4	201.9	206.9	234.1
eL 15.4; B + 47.1	El:	30.0	34.4	35.3	35.8	35.9	35.8	35.6	35.3	33.6	32.3	20.4
	Sk:	-22.6	-11.6	-7.5	-3.5	-0.6	2.2	5.0	7.7	14.7	18.0	33.5
Güssing	Az:	146.7	164.0	170.2	176.1	180.5	184.5	188.6	192.7	203.1	208.1	235.1
eL 16.3; B + 47.1	El:	30.4	34.7	35.4	35.9	35.9	35.8	35.6	35.2	33.3	32.0	19.9
	Sk:	-22.0	-10.9	-6.6	-2.7	0.3	3.1	5.8	8.5	15.5	18.7	33.9
Innsbruck	Az:	141.2	157.7	163.7	169.5	173.6	177.9	181.9	186.0	196.7	201.9	230.2
eL 11.4; B + 47.3	El:	28.1	33.2	34.4	35.1	35.5	35.6	35.7	35.5	34.3	33.3	22.6
	Sk:	-25.2	-14.9	-11.0	-7.1	-4.2	-1.5	1.3	4.1	11.2	14.6	31.4
Judenburg	Az:	144.8	161.8	168.0	173.8	178.1	182.2	186.3	190.4	200.9	205.9	233.4
eL 14.6; B + 47.2	El:	29.6	34.2	35.1	35.6	35.7	35.7	35.6	35.2	33.6	32.5	20.8
	Sk:	-23.1	-12.3	-8.2	-4.3	-1.3	1.5	4.3	7.0	14.0	17.3	33.0
Kapfenberg	Az:	145.7	162.7	168.9	174.7	179.0	183.1	187.2	191.2	201.7	206.7	233.9

eL 15.3; B + 47.4	El:	29.6	34.1	34.9	35.4	35.5	35.5	35.3	34.9	33.2	32.0	20.3
	Sk:	-22.5	-11.6	-7.5	-3.6	-0.6	2.1	4.9	7.6	14.5	17.7	33.2
Kirchschlag	Az:	146.9	164.1	170.3	176.1	180.4	184.5	188.5	192.5	202.9	207.9	234.8
eL 16.3; B + 47.5	El:	30.0	34.2	35.0	35.4	35.4	35.3	35.1	34.7	32.9	31.6	19.6
	Sk:	-21.7	-10.7	-6.6	-2.7	0.3	3.0	5.7	8.4	15.2	18.4	33.5
Kitzbühel	Az:	142.4	159.0	165.1	170.8	175.1	179.2	183.3	187.3	197.9	203.0	231.1
eL 12.4; B + 47.5	El:	28.4	33.3	34.4	35.1	35.4	35.5	35.4	35.2	33.9	32.9	21.9
	Sk:	-24.1	-14.0	-10.0	-6.2	-3.3	-0.6	2.2	4.9	12.0	15.3	31.7
Klagenfurt	Az:	143.9	161.0	167.3	173.1	177.5	181.7	185.8	189.9	200.6	205.7	233.3
eL 14.2; B + 46.4	El:	30.1	34.9	35.7	36.4	36.6	36.6	36.5	36.2	34.6	33.4	21.6
	Sk:	-23.9	-12.9	-8.7	-4.7	-1.7	1.1	4.0	6.8	14.0	17.3	33.5
Knittelfeld	Az:	145.1	162.1	168.4	174.1	178.4	182.5	186.6	190.6	201.1	206.2	233.6
eL 14.9; B + 47.2	El:	29.6	34.2	35.1	35.6	35.7	35.7	35.5	35.2	33.6	32.4	20.7
	Sk:	-22.9	-12.0	-7.9	-4.0	-1.0	1.8	4.5	7.3	14.2	17.5	33.2
Krems	Az:	146.4	163.4	169.5	175.2	179.5	183.5	187.5	191.4	201.7	206.7	233.8
eL 15.6; B + 48.4	El:	28.9	33.1	33.9	34.3	34.4	34.4	34.2	33.8	32.2	31.0	19.5
	Sk:	-21.5	-11.0	-7.0	-3.2	-0.4	2.3	5.0	7.6	14.2	17.4	32.4
Krimml	Az:	142.0	158.6	164.7	170.5	174.8	178.9	183.0	187.1	197.8	202.9	231.1
eL 12.2; B + 47.1	El:	28.6	33.6	34.7	35.4	35.7	35.9	35.8	35.6	34.3	33.3	22.2
	Sk:	-24.8	-14.4	-10.3	-6.5	-3.5	-0.7	2.0	4.8	12.0	15.4	32.0
Kufstein	Az:	142.2	158.8	164.9	170.5	174.8	178.9	183.0	187.0	197.6	202.7	230.8
eL 12.2; B + 47.6	El:	28.2	33.2	34.2	34.9	35.2	35.3	35.3	35.1	33.8	32.8	21.9
	Sk:	-24.4	-14.1	-10.1	-6.4	-3.5	-0.7	2.0	4.7	11.8	15.1	31.5
Köflach	Az:	145.3	162.3	168.6	174.4	178.7	182.9	186.9	191.0	201.5	206.5	233.9
eL 15.1; B + 47.1	El:	29.9	34.4	35.2	35.8	35.9	35.9	35.7	35.3	33.7	32.5	20.6
	Sk:	-22.8	-11.9	-7.7	-3.8	-0.8	2.0	4.7	7.5	14.5	17.7	33.4
Lambach	Az:	140.2	156.6	162.7	168.3	172.6	176.7	180.8	184.9	195.6	200.8	229.4
eL 10.6; B + 47.2	El:	27.8	33.1	34.3	35.2	35.6	35.8	35.8	35.7	34.6	33.7	23.1
	Sk:	-25.8	-15.8	-11.7	-7.9	-5.0	-2.2	0.6	3.3	10.6	14.0	30.8
Laibnitz	Az:	145.7	162.9	169.2	175.0	179.4	183.5	187.6	191.7	202.2	207.2	234.5
eL 15.6; B + 46.8	El:	30.3	34.8	35.6	36.1	36.2	36.2	35.9	35.6	33.8	32.6	20.5
	Sk:	-22.7	-11.6	-7.4	-3.4	-0.4	2.4	5.2	8.0	15.0	18.3	33.9
Lienz	Az:	142.5	159.3	165.5	171.2	175.6	179.7	183.8	187.9	198.6	203.7	231.7
eL 12.8; B + 46.8	El:	29.1	34.1	35.2	35.8	36.1	36.2	36.1	35.9	34.5	33.4	22.1
	Sk:	-24.6	-14.0	-9.9	-6.0	-3.0	-0.2	2.6	5.4	12.6	16.0	32.5
Liezen	Az:	144.5	161.4	167.6	173.3	177.6	181.7	185.7	189.8	200.3	205.3	232.9
eL 14.3; B + 47.6	El:	29.1	33.7	34.6	35.1	35.3	35.3	35.2	6.6	33.4	32.2	20.8
	Sk:	-23.0	-12.4	-8.3	-4.5	-1.6	1.2	3.9	6.6	13.6	16.8	32.5
Linz	Az:	144.9	161.7	167.8	173.5	177.7	181.7	185.7	189.7	200.1	205.1	232.6
eL 14.3; B + 48.3	El:	28.4	32.9	33.8	34.3	34.5	34.5	34.4	34.1	32.6	31.5	20.3
	Sk:	-22.5	-12.1	-8.1	-4.4	-1.5	1.2	3.8	6.5	13.2	16.4	31.9
Losenstein	Az:	145.4	162.4	168.7	174.4	178.8	182.8	186.9	190.9	201.4	206.4	233.7
eL 15.1; B + 47.4	El:	29.6	34.1	34.9	35.4	35.6	35.5	35.4	35.0	33.4	32.2	20.4
	Sk:	-22.6	-11.8	-7.7	-3.8	-0.8	1.9	4.7	7.4	14.3	17.5	33.1
Lofer	Az:	142.7	159.4	165.5	171.2	175.5	179.6	183.6	187.7	198.3	203.4	231.3
eL 12.7; B + 47.6	El:	28.4	33.3	34.3	35.0	35.2	35.3	35.3	35.1	33.7	32.7	21.7
	Sk:	-24.1	-13.7	-9.7	-5.9	-3.0	-0.3	2.5	5.2	12.2	15.5	31.8
Mariazell	Az:	145.8	162.8	169.0	174.8	179.1	183.1	187.2	191.2	201.6	206.6	233.8
eL 15.3; B + 47.8	El:	29.3	33.7	34.5	35.0	35.1	35.1	34.9	34.5	32.9	31.7	20.0
	Sk:	-22.2	-11.4	-7.4	-3.5	-0.6	2.1	4.8	7.5	14.3	17.5	32.8
Mattersburg	Az:	147.1	164.2	170.4	176.2	180.5	184.5	188.6	192.6	203.0	207.9	234.8
eL 16.4; B + 47.7	El:	29.8	34.0	34.8	35.1	35.2	35.1	34.8	34.4	32.6	31.4	19.4
	Sk:	-21.5	-10.5	-6.4	-2.6	0.4	3.1	5.8	8.5	15.2	18.4	33.4
Mürzzuschlag	Az:	146.2	163.3	169.5	175.2	179.6	183.5	187.7	191.7	202.1	207.1	234.2
eL 15.7; B + 47.6	El:	29.6	34.0	34.8	35.2	35.3	35.3	35.0	34.7	33.0	31.7	19.9
	Sk:	-22.0	-11.2	-7.1	-3.2	-0.3	2.5	5.2	7.9	14.7	17.9	33.2
Ried	Az:	143.9	160.6	166.7	172.4	176.6	180.7	184.7	188.7	199.1	204.2	231.8
eL 13.5; B + 48.2	El:	28.2	32.8	33.8	34.4	34.6	34.6	34.5	34.3	32.9	31.8	20.8
	Sk:	-23.1	-12.8	-8.8	-5.1	-2.2	0.5	3.1	5.8	12.6	15.8	31.6
Rollenmann	Az:	144.6	161.5	167.7	173.5	177.8	181.9	185.9	189.9	200.4	205.5	233.0
eL 14.4; B + 47.5	El:	29.2	33.8	34.7	35.2	35.4	35.4	35.2	34.9	33.4	32.2	20.8
	Sk:	-23.0	-12.3	-8.3	-4.4	-1.5	1.3	4.0	6.7	13.7	16.9	32.7
Saalfelden	Az:	142.9	159.6	165.7	171.4	175.7	179.9	183.9	187.9	198.5	203.6	231.6
eL 12.9; B + 47.4	El:	28.6	33.5	34.6	35.2	35.4	35.5	35.5	35.2	33.9	32.8	21.7
	Sk:	-24.1	-13.6	-9.6	-5.8	-2.9	-0.1	2.7	5.4	12.5	15.8	32.0
Salzburg	Az:	143.3	159.9	166.1	171.7	176.0	180.1	184.1	188.1	198.7	203.7	231.6
eL 13.1; B + 47.8	El:	28.4	33.2	34.2	34.8	35.0	35.1	35.0	34.8	33.4	32.4	21.3
	Sk:	-23.7	-13.3	-9.3	-5.5	-2.6	0.1	2.8	5.5	12.5	15.7	31.8
Sankt Pölten	Az:	146.4	163.3	169.5	175.2	179.5	183.5	187.5	191.5	201.8	206.8	233.9
eL 15.6; B + 48.2	El:	29.1	33.3	34.1	34.5	34.6	34.6	34.4	34.0	32.4	31.2	19.6
	Sk:	-21.7	-11.0	-7.0	-3.2	-0.4	2.3	5.0	7.6	14.3	17.5	32.6
Scheibbs	Az:	145.7	162.7	168.9	174.6	178.9	182.9	186.9	190.9	201.3	206.3	233.5

eL 15.2; B + 48.0	El:	29.1	33.4	34.3	34.7	34.9	34.8	34.6	34.3	32.7	31.5	20.0
	Sk:	-22.1	-11.5	-7.4	-3.6	-0.7	2.0	4.7	7.3	14.1	17.3	32.6
Scheiblingkirchen	Az:	144.4	161.3	167.5	173.3	177.7	181.8	185.9	189.9	200.5	205.6	233.1
eL 14.3; B + 47.1	El:	29.5	34.2	35.1	35.7	35.8	35.9	35.7	35.4	33.8	32.7	21.1
	Sk:	-23.4	-12.6	-8.5	-4.5	-1.6	1.2	4.0	6.7	13.8	17.1	33.0
Spittal	Az:	143.3	160.2	166.4	172.2	176.6	180.7	184.8	188.9	199.6	204.7	232.5
eL 13.5; B + 46.8	El:	29.4	34.3	35.3	35.9	36.1	36.2	36.1	35.8	34.3	33.2	21.7
	Sk:	-24.1	-13.4	-9.3	-5.3	-2.4	0.5	3.3	6.1	13.2	16.6	32.9
St. Veit a. d.	Az:	144.4	161.4	167.6	173.4	177.8	181.9	186.0	190.0	200.6	205.7	233.3
eL 14.4; B + 46.9	El:	29.7	34.4	35.3	35.9	36.1	36.1	35.9	35.6	34.0	32.8	21.1
	Sk:	-23.4	-12.6	-8.4	-4.5	-1.5	1.3	4.1	6.9	14.0	17.3	33.2
Steyr	Az:	144.9	161.8	167.9	173.6	177.9	181.9	185.9	189.9	200.3	205.4	232.8
eL 14.4; B + 48.1	El:	28.7	33.2	34.1	34.6	34.8	34.8	34.6	34.3	32.6	31.7	20.4
	Sk:	-22.6	-12.1	-8.1	-4.3	-1.4	1.3	3.9	6.6	13.4	16.8	32.1
Stockerau	Az:	147.2	164.2	170.4	176.1	180.4	184.4	188.4	192.4	202.6	207.6	234.5
eL 16.3; B + 48.3	El:	29.3	33.4	34.1	34.5	34.6	34.5	34.2	33.8	32.1	30.9	19.2
	Sk:	-21.1	-10.4	-6.4	-2.6	0.3	2.9	5.6	8.2	14.6	17.9	32.8
Tauern	Az:	142.6	159.3	165.5	171.1	175.5	179.5	183.6	187.7	198.3	203.4	231.5
eL 12.7; B + 47.3	El:	28.7	33.6	34.6	35.3	35.6	35.7	35.6	35.4	34.1	33.0	21.9
	Sk:	-24.3	-13.9	-9.8	-6.0	-3.0	-0.3	2.5	5.2	12.3	15.7	32.0
Villach	Az:	143.6	160.6	166.9	172.7	177.0	181.2	185.3	189.4	200.0	205.2	232.9
eL 13.9; B + 46.6	El:	29.7	34.6	35.6	36.1	36.4	36.4	36.3	36.0	34.4	33.3	21.6
	Sk:	-24.0	-13.2	-9.0	-5.0	-2.0	0.9	3.7	6.5	13.7	17.0	33.3
Voitsberg	Az:	145.3	162.4	168.7	174.5	178.8	182.9	187.0	191.1	201.6	206.6	233.9
eL 15.2; B + 47.1	El:	29.9	34.4	35.3	35.8	35.9	35.9	35.7	35.3	33.7	32.4	20.6
	Sk:	-22.7	-11.8	-7.6	-3.7	-0.7	2.0	4.8	7.6	14.5	17.8	33.4
Waidhofen	Az:	146.2	163.1	169.2	174.8	179.0	183.0	187.0	190.9	201.2	206.2	233.3
eL 15.3; B + 48.8	El:	28.4	32.6	33.4	33.9	34.0	33.9	33.8	33.4	31.8	30.7	19.4
	Sk:	-21.5	-11.1	-7.1	-3.4	-0.6	2.0	4.6	7.2	13.8	16.9	31.9
Weiz	Az:	145.6	162.8	169.0	174.8	179.2	183.3	187.4	191.4	201.9	206.9	234.2
eL 15.4; B + 47.1	El:	30.0	34.4	35.3	35.7	35.9	35.8	35.6	35.2	33.5	32.3	20.4
	Sk:	-22.6	-11.8	-7.5	-3.5	-0.6	2.2	5.0	7.7	14.7	18.0	33.5
Wels	Az:	144.5	161.3	167.4	173.1	177.3	181.4	185.4	189.4	199.8	204.8	232.4
eL 14.0; B + 48.2	El:	28.5	33.0	33.9	34.5	34.7	34.7	34.6	34.3	32.8	31.7	20.5
	Sk:	-22.8	-12.4	-8.4	-4.6	-1.8	0.9	3.6	6.2	13.0	16.2	31.8
Wien	Az:	147.2	164.3	170.5	176.2	180.5	184.5	188.5	192.5	202.8	207.7	234.6
eL 16.4; B + 48.2	El:	29.4	33.5	34.2	34.6	34.6	34.6	34.3	33.9	32.1	30.9	19.2
	Sk:	-21.1	-10.4	-6.3	-2.5	0.4	3.0	5.7	8.3	15.0	18.1	32.9
Wolfsberg	Az:	144.9	162.0	168.3	174.1	178.4	182.6	186.7	190.7	201.3	206.4	233.8
eL 14.9; B + 46.8	El:	30.0	34.6	35.5	36.0	36.2	36.1	36.0	35.6	34.0	32.8	20.9
	Sk:	-23.2	-12.2	-8.0	-4.0	-1.0	1.8	4.6	7.4	14.4	17.7	33.5
Wörgl	Az:	142.0	158.6	164.7	170.3	174.6	178.7	182.8	186.8	197.5	202.6	230.7
eL 12.1; B + 47.5	El:	28.2	33.2	34.3	35.0	35.3	35.4	35.4	35.2	34.0	33.0	22.1
	Sk:	-24.6	-14.3	-10.3	-6.5	-3.6	-0.8	1.9	4.7	11.7	15.1	31.6

***Note:** If you are missing the city you are living in, please visit http://www.lyngsat.com/

ENVIRONMENTAL ISSUES

STRONG is committed to reducing the impact of its products on the environment.
To maximise the benefits of our design enhancements, your co-operation is required.

Electronic product recycling
Do not dispose of this product with your domestic rubbish.

At the end of its useful life, this product contains materials which when processed correctly can be recovered and recycled. By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.
When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronically products in your area. User of this service will be free to you.

Within the scope of the European legislation on Waste Electrical and Electronic Equipment (Directive 2002/96/EC valid as of August 2005) STRONG provides a recycling system free of charge for consumers to returning products after end of life. For more information about STRONG's environmental policy to you:

www.strong.tv - select "*About us*" and "*Environmental Policy*" from the submenu.

Packaging
When disposing of this product packaging, please ensure that it is recycled. Packaging material is to be depolluted in waste separation.

Power Saving
To save power and money, please put the product into standby mode when not in use. We also recommend disconnection from mains supply when not in use for longer periods of time.

Batteries
Do not dispose of the batteries from your handset with your domestic waste.

Where they are available, participate in your local municipal or retailer collection schemes for spent batteries. Batteries discarded in landfill sites or incinerated increases the chances of pollutants being dispersed into the atmosphere.

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